

Tislamid[®]



Tisan

Polyamide Solutions

Tislamid®

Polyamide compounds are the most widely used engineering thermoplastics in different markets due to their excellent strength and durability properties. Tisan Engineering Plastics has leading expertise in engineering plastics made from polyamides. We research, develop, produce and commercialize wide range of polyamide compounds for different markets under Tislamid®.

Tislamid® is product line of polyamides with standard and customized formulations for our customer's requirements. The custom formulations of polyamides are designed by our engineers by selecting material according to the relation between application, cost and performance. The wide range of Tislamid® products and their extended properties from toughness to heat resistance help our customers to choose the right product for their specific applications.

Tislamid® grades can be provided fully colored in customized colors with narrow color specifications colorability even in light colors.

Modification of polyamides by compounding produces a substantial change in the properties of the base material. Combining with different fillers, reinforcements and modifiers during compounding has proved to be a highly successful development in the properties of polyamides. It results in valuable material properties like extreme rigidity and stiffness, high dimensional stability and minimal warpage.

Main Specifications

- High stiffness, strength and temperature resistance
- Excellent impact resistance and toughness at low and high temperatures
- Very good abrasion resistance
- Excellent chemical resistance
- High wear and fatigue resistance even at high temperatures
- Good electrical properties
- Easy process ability
- Low smoke density and toxicity for halogen-free flame retardant grades

Fillers / Reinforcements / Modifiers

- Glass fibers-glass beads
- Carbon fibers
- Aramid fibers
- Mineral fillers
- Graphite
- PTFE
- Molybdenum disulphide (MoS)
- Heat stabilizers
- Hydrolysis stabilizers
- Lubricants
- UV stabilizers
- Electrically conductive
- Thermally conductive
- Flame retardant compound with halogen and halogen free
 - UL94 V-2 or V-0 classifications (UL approved grades)
 - Glow wire flammability index
 - Glow wire ignition behavior (no flame)

Markets

- Automotive
- Electric & Electronics
- Home appliances
- Construction
- Industrial applications
- Defense industry
- Safety equipment
- Transportation
- Office Furniture
- Sports
- Energy
- Others



Our quality is your guarantee

Our product reach reliably the customer having passed all the quality tests in our T-LAB laboratory matching international standards.

1 Mechanical tests	2 Physical properties	3 Weathering and aging tests
4 Flammability tests	5 Color arrangement and measurements	6 Thermal and flow analysis
7 Heat deflection analysis	8 Electrical and chemical resistance	9 Dimensional tests

More than
40 years
experience

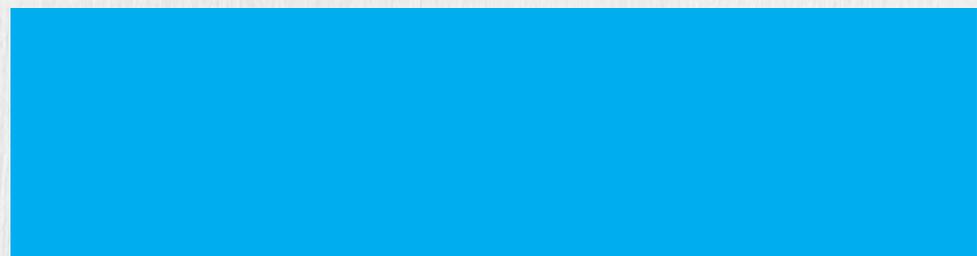
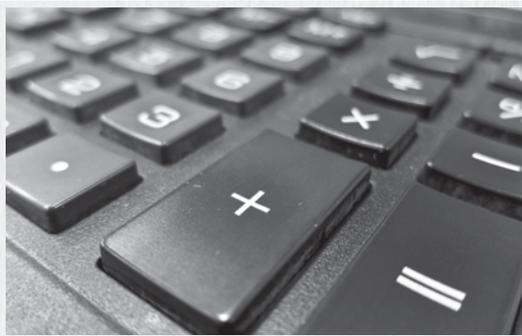
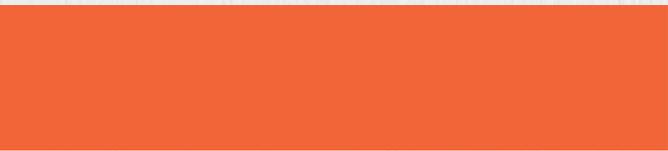
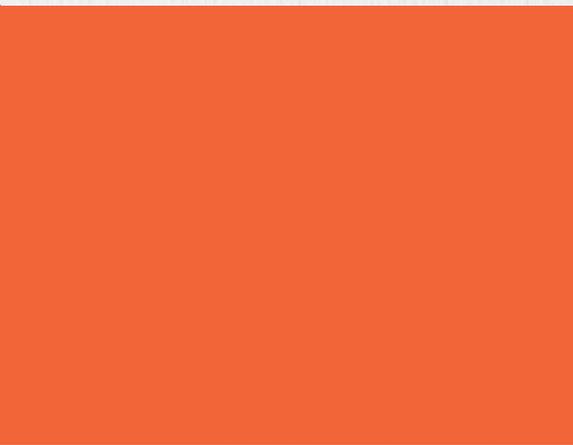
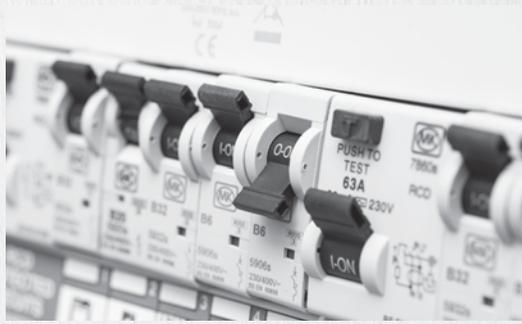
Tisan Engineering Plastics specialized on production of compounds used as raw materials more than 40 years experience. Tisan produces competitive and favorable solutions to customers based on their requirements. Our aim is to provide competitive solutions, qualified products, flexible production, high-speed service with strong technical infrastructure and human quality in both standard and exclusive products for all markets.

POLYAMIDE 6

Tislamid A 10D03 F01 R01 PA6, 10% glass fiber reinforced, flame retardant-halogen	Tislamid A 20D03 R01 PA6, 20% glass fiber reinforced	Tislamid A 30D03D14 R02 PA6, 30% glass fiber and graphite reinforced	Tislamid A 50D03 R01 PA6, 50% glass fiber reinforced
Tislamid A 10D03 K04 R01 PA6, 10% glass fiber reinforced, impact modified	Tislamid A 20D11 R02 PA6, 20% carbon fiber reinforced	Tislamid A 30D03D05 R01 PA6, 30% glass fiber&beads reinforced	Tislamid A UNR F01 K04 R01 PA6, unreinforced, flame retardant-halogen, impact modified
Tislamid A 10D11 R02 PA6, 10% carbon fiber reinforced	Tislamid A 25D01 F02 R01 PA6, 25% talc filled, flame retardant-halogen-free	Tislamid A 30D03D11 K07 R02 PA6, 30% glass&carbon fiber reinforced, conductive	Tislamid A UNR F01 R01 PA6, unreinforced, flame retardant-halogen
Tislamid A 10D11 F01 K03 K01 R02 PA6, 10% carbon fiber reinforced, flame retardant-halogen, UV stabilized, anti-static	Tislamid A 25D01 K04 R01 PA6, 25% talc filled, impact modified	Tislamid A 30D05 R01 PA6, 30% glass bead reinforced	Tislamid A UNR F02 R01 PA6, unreinforced flame retardant-halogen free, extrusion, high viscosity
Tislamid A 15D03 K02 F01 HS R01 PA6, 15% glass fiber reinforced, flame retardant-halogen &red phosphorus free, heat stabilized	Tislamid A 25D03 F01 R01 PA6, 25% glass fiber reinforced, flame retardant-halogen	Tislamid A 30D11 R02 PA6, 30% carbon fiber reinforced	Tislamid A UNR F03 K02 R01 PA6, unreinforced, flame retardant-low halogen content
Tislamid A 15D03 K02 F02 R01 PA6, 15% glass fiber reinforced, flame retardant-halogen &red phosphorus free, heat stabilized	Tislamid A 25D03 F02 R01 PA6, 25% glass fiber reinforced, flame retardant-halogen free	Tislamid A 30D12 K02 R02 PA6, 20% aramide fiber reinforced, heat stabilized	Tislamid A UNR K02 F01 R01 PA6, unreinforced flame retardant-halogen, heat stabilized, extrusion, high viscosity
Tislamid A 30D03D01 F01 R01 PA6, 30% glass fiber reinforced and talc filled, flame retardant-halogen	Tislamid A 25D03 R01 PA6, 25% glass fiber reinforced	Tislamid A 33D03 K03 K02 R01 PA6, 33% glass fiber reinforced, UV stabilized, heat stabilized	Tislamid A UNR K04 R01 PA6, unreinforced, impact modified
Tislamid A 15D03 F01 K03 K01 R01 PA6, 15% glass fiber reinforced, flame retardant-halogen, UV stabilized, anti-static	Tislamid A 30D01 F01 K02 R01 PA6, 30% talc filled, flame retardant-halogen, heat stabilized	Tislamid A 35D03 F01 K03 R01 PA6, 35% glass fiber reinforced, flame retardant-halogen, UV stabilized	Tislamid A UNR K051 R01 PA6, unreinforced, MoS1 modified
Tislamid A 15D03 F01 K04 R01 PA6, 15% glass fiber reinforced, flame retardant-halogen, impact modified	Tislamid A 30D01D14 F01 R02 PA6, 30% glass fiber and graphite reinforced, flame retardant-halogen	Tislamid A 35D03 K02 R01 PA6, 35% glass fiber reinforced, heat stabilized	Tislamid A UNR K052 R01 PA6, unreinforced, MoS2 modified
Tislamid A 15D03 K04 K03 R01 PA6, 15% glass fiber reinforced, impact modified, UV stabilized	Tislamid A 30D03 F01 K03 K01 R01 PA6, 30% glass fiber reinforced, flame retardant-halogen, UV stabilized, anti-static	Tislamid A 40D03 D01 R01 PA6, 40% glass fiber&talc reinforced	Tislamid A UNR K06 R01 PA6, unreinforced, hydrolysis stabilized
Tislamid A 15D05 R01 PA6, 15% glass bead reinforced	Tislamid A 30D03 F02 K02 R01 PA6, 30% glass fiber reinforced, flame retardant-halogen-free, heat stabilized	Tislamid A 40D05 K02 R01 PA6, 40% glass bead reinforced, heat stabilized	Tislamid A UNR K07 R02 PA6, unreinforced, black, conductive
Tislamid A 15D11 R02 PA6, 15% carbon fiber reinforced	Tislamid A 30D03 K04 K02 R01 PA6, 30% glass fiber reinforced, impact modified, heat stabilized	Tislamid A 45D03 K03 R01 PA6, 45% glass fiber reinforced, UV stabilized	Tislamid A UNR K08 K10 R01 PA6, unreinforced, PTFE modified, self lubricated
Tislamid A 20D01 F02 R01 PA6, 20% talc filled , flame retardant-halogen &red phosphorus free	Tislamid A 30D03 K05 R01 PA6, 30% glass fiber reinforced, MoS modified	Tislamid A 45D03 K04 R01 PA6, 45% glass fiber reinforced, impact modified	Tislamid A UNR K10 R01v PA6, unreinforced, lubricated
Tislamid A 20D01 R01 PA6, 20% talc filled	Tislamid A 30D03 K06 R01 PA6, 30% glass fiber reinforced, hydrolysis stabilized	Tislamid A 50D03 K02 K06 R01 PA6, 50% glass fiber reinforced, heat stabilized, hydrolysis stabilized	Tislamid A UNR K12 F02 K02 R03 PA6, unreinforced, flame retardant-halogen & red phosphorus free, laser markable
Tislamid A 20D03 F01 K02 R01 PA6, 20% glass fiber reinforced, flame retardant-halogen, heat stabilized	Tislamid A 30D03 K08 R01 PA6, 30% glass fibre reinforced&PTFE filled	Tislamid A 50D03 K03 K02 R01 PA6, 50% glass fiber reinforced, UV stabilized, heat stabilized	Tislamid A UNR R01 PA6, unreinforced
Tislamid A 20D03 F02 K02 R01 PA6, 20% glass fiber reinforced, flame retardant-halogen & red phosphorus free, heat stabilized	Tislamid A 30D03 K11 R01 PA6 30% glass fiber reinforced, low cycle time	Tislamid A 50D03 K04 R01 PA6, 50% glass fiber reinforced, impact modified	

POLYAMIDE 6/6.6 COPOLYMER

Tislamid R UNR R01 PA6/6.6 copolymer, unreinforced	Tislamid R UNR K02 R01 PA6/6.6 copolymer, unreinforced, heat stabilized	Tislamid R UNR K04 R01 PA6/6.6 copolymer, unreinforced, impact modified	Tislamid R 15D03 K02 K06 R01 PA6/6.6 copolymer, 15% glass fiber reinforced, heat and hydrolysis stabilized
Tislamid R 15D03 R01 PA6/6.6 copolymer, 15% glass fiber reinforced	Tislamid R 20D03 R01 PA6/6.6 copolymer, 20% glass fiber reinforced	Tislamid R UNR K06 R01 PA6/6.6 copolymer, unreinforced, hydrolysis stabilized	Tislamid R 20D03 K02 K06 R01 PA6/6.6 copolymer, 20% glass fiber reinforced, heat and hydrolysis stabilized



POLYAMIDE 6.6

Tislamid B 10D11 R02 PA6.6, 10% carbon fiber reinforced	Tislamid B 20D03 F01 K02 R01 PA6.6, 20% glass fiber reinforced, flame retardant-halogen, heat stabilized	Tislamid B 30D03D14 R02 PA6.6, 30% glass fiber and graphite reinforced	Tislamid B 60D03 R01 PA6.6, 60% glass fiber reinforced
Tislamid B 10D11 F01 K02 R01 PA6.6, 10% carbon fiber reinforced, flame retardant-halogen, heat stabilized	Tislamid B 20D03 R01 PA6.6, 20% glass fiber reinforced	Tislamid B 30D03 F02 K02 R01 PA6.6, 30% glass fiber reinforced, flame retardant-halogen & red phosphorus free, heat stabilized	Tislamid B UNR F02 R01 PA6.6, unreinforced flame retardant-halogen free, high viscosity, extrusion
Tislamid B 10D03 F02 R01 PA6.6, 10% glass fiber reinforced, flame retardant-halogen free	Tislamid B 20D03 K08 R01 PA6.6, 20% glass fiber reinforced, PTFE modified	Tislamid B 30D03D05 R01 PA6.6, 30% glass fiber&beads reinforced	Tislamid B UNR K07 R02 PA6.6, unreinforced, conductive
Tislamid B 10D03 K04 R01 PA6.6, 10% glass fiber reinforced, impact modified	Tislamid B 20D01 F02 R01 PA6.6, 20% talc filled, flame retardant-halogen & red phosphorus free	Tislamid B 30D03D11 K07 R02 PA6.6, 30% glass&carbon fiber reinforced, conductive	Tislamid B UNR F01 K04 R01 PA6.6, unreinforced, flame retardant-halogen, impact modified
Tislamid B 14D03 K04 K02 R01 PA6.6, 14% glass fiber reinforced, impact modified, heat stabilized	Tislamid B 20D01 K05 R01 PA6.6, 20% talc filled, MoS modified	Tislamid B 33D03 K04 K03 R01 PA6.6, 33% glass fiber reinforced, impact modified, UV stabilized	Tislamid B UNR F01 K03 K01 R01 PA6.6, unreinforced, flame retardant-halogen, UV stabilized, anti-static
Tislamid B 15D03 F01 R01 PA6.6, 15% glass fiber reinforced, flame retardant-halogen	Tislamid B 25D03 F01 R01 PA6.6, 25% glass fiber reinforced, flame retardant-halogen	Tislamid B 33D03 K03 K02 R01 PA6.6, 33% glass fiber reinforced, uv&heat stabilized	Tislamid B UNR F02 K03 R01 PA6.6, unreinforced, flame retardant-halogen free, UV stabilized
Tislamid B 15D03 K02 F02 R01 PA6.6, 15% glass fiber reinforced, flame retardant-halogen & red phosphorus free heat stabilized	Tislamid B 25D03 F02 K02 R01 PA6.6, 25% glass fiber reinforced, flame retardant-halogen free, heat stabilized	Tislamid B 35D03 K04 R01 PA6.6, 35% glass fiber reinforced, impact modified	Tislamid B UNR K12 F02 R03 PA6.6, unreinforced, flame retardant-halogen & red phosphorus free, laser markable
Tislamid B 15D03 K02 F01 R01 PA6.6, 15% glass fiber reinforced, flame retardant-halogen, heat stabilized	Tislamid B 25D01 K04 R01 PA6.6, 25% talc filled, impact modified, plating	Tislamid B 35D01 F01 R01 PA6.6, 35% talc filled, flame retardant-halogen	Tislamid B UNR F03 HS R01 PA6.6, unreinforced, flame retardant-low halogen content
Tislamid B 15D03 K04 R01 PA6.6, 15% glass fiber reinforced, impact modified	Tislamid B 30D11 R02 PA6.6, 30% carbon fiber reinforced	Tislamid B 38D03 F01 R01 PA6.6, 38% glass fiber reinforced, flame retardant-halogen	Tislamid B UNR K06 R01 PA6.6, unreinforced, hydrolysis stabilized
Tislamid B 17.5D03 R01 PA6.6, 17.5% glass fiber reinforced	Tislamid B 30D05 R01 PA6.6, 30% glass bead reinforced	Tislamid B 40D05 R01 PA6.6, 40% glass bead reinforced	Tislamid B UNR K04 R01 PA6.6, unreinforced, impact modified
Tislamid B 20D12 K03 R01 PA6.6, 20% aramid fiber reinforced, UV stabilized	Tislamid B 30D03D11 F01 R01 PA6.6, 30% glass fiber and carbon fiber reinforced, flame retardant-halogen	Tislamid B 40D03 K04 R01 PA6.6, 40% glass fiber reinforced, impact modified	Tislamid B UNR K10 R01 PA6.6, unreinforced, lubricated
Tislamid B 30D12 K02 R02 PA6.6, 20% aramid fiber reinforced, heat stabilized	Tislamid B 30D03 K11 R01 PA6.6, 30% glass fiber reinforced natural, Low cycle time	Tislamid B 40D03 K03 R01 PA6.6, 40% glass fiber reinforced, UV stabilized	Tislamid B UNR K051 R01 PA6.6, unreinforced, MoS1 modified
Tislamid B 20D11 R02 PA6.6, 20% carbon fiber reinforced	Tislamid B 30D03 15K08 K05 R01 PA6.6, 30% glass fiber reinforced, 15% PTFE and MoS modified	Tislamid B 40D03 D01 R01 PA6.6, 40% glass fiber&talc reinforced	Tislamid B UNR K052 R01 PA6.6, unreinforced, MoS2 modified
Tislamid B 20D03 10D01 F01 R01 PA6.6, 20% glass fiber reinforced and 10% talc filled, flame retardant-halogen	Tislamid B 30D03 F01 K03 K01 R01 PA6.6, 30% glass fiber reinforced, flame retardant-halogen, UV stabilized, anti-static	Tislamid B 43D03 R01 PA6.6, 43% glass fiber reinforced	Tislamid B UNR R01 PA6.6, unreinforced
Tislamid B 20D03 F01 K03 K01 R01 PA6.6, 20% glass fiber reinforced, flame retardant-halogen, UV stabilized, anti-static	Tislamid B 30D03 K04 K02 R01 PA6.6, 30% glass fiber reinforced, impact modified, heat stabilized	Tislamid B 50D03 K02 K06 R01 PA6.6, 50% glass fiber reinforced, heat stabilized, hydrolysis stabilized	Tislamid B UNR K08 R01 PA6.6, unreinforced, PTFE modified, self lubricated
Tislamid B 20D03 F02 K02 R01 PA6.6, 20% glass fiber reinforced, flame retardant (halogen & red phosphorus free), heat stabilized	Tislamid B 30D03 K05 R01 PA6.6, 30% glass fiber reinforced, MoS modified	Tislamid B 50D03 K04 R01 PA6.6, 50% glass fiber reinforced, impact modified	

POLYAMIDE 6.6/6 COPOLYMER

Tislamid S UNR R01 PA 6.6/6 copolymer, unreinforced	Tislamid S UNR K02 R01 PA 6.6/6 copolymer, unreinforced, heat stabilized	Tislamid S UNR K04 R01 PA 6.6/6 copolymer, unreinforced, impact modified	Tislamid S 15D03 K02 K06 R01 PA 6.6/6 copolymer, 15% glass fiber reinforced, heat and hydrolysis stabilized
Tislamid S 15D03 R01 PA 6.6/6 copolymer, 15% glass fiber reinforced	Tislamid S 20D03 R01 PA 6.6/6 copolymer, 20% glass fiber reinforced	Tislamid S UNR K06 R01 PA 6.6/6 copolymer, unreinforced, hydrolysis stabilized	Tislamid S 20D03 K02 K06 R01 PA 6.6/6 copolymer, 20% glass fiber reinforced, heat and hydrolysis stabilized

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