

Tisakril® ABS

Tisren® PS



Tisan

Styrene Solutions

Tisakril® ABS

Tisren® PS

Styrene based compounds are widely used engineering thermoplastics in different markets due to their excellent visually and dimensional stability. Tisan Engineering Plastics has leading expertise in engineering plastics made from styrene based compounds. Acrylonitrile butadiene styrene (ABS) is produced from acrylonitrile, butadiene and styrene monomers and polystyrene (PS) is produced from styrene monomer only. We research, develop, produce and commercialize wide range of styrene based compounds for different markets under Tisakril® and Tisren® brands.

Basic ABS raw material offers a wide range usage with the modification by different fillers, reinforcements and modifiers. Tisakril® ABS are glossy compounds with high styrene and butadiene ratio. In Tisakril® ABS compounds, acrylonitrile imparts chemical resistance and increases surface hardness, butadiene affects overall toughness depending on impact strength, styrene contributes ease of processing properties.

Tisren® PS compounds can be produced from two types of polystyrene which are general purpose polystyrene and high impact polystyrene. Polystyrene compounds are preferred due to their wide range of properties such as low specific gravity and good dimensional stability. Polystyrene is a hard and stiff plastic however it can be compounded with the additives to be used in home appliances, electronics, automotive and other markets.

Tisakril® ABS and Tisren® PS compounds are designed by our engineers based on customer's requirements. These grades can be provided fully colored in customized colors with narrow color specifications colorability even in light colors.

Main Specifications

Tisakril® ABS

- High chemical resistance,
- High surface brightness,
- Excellent impact resistance, even at low temperature,
- Excellent dimensional stability,
- Excellent surface aspect
- Gamma and X-ray resistance
- Very good machining properties
- Low moisture absorption
- Highly scratch-proof
- High heat deflection temperature

Tisren® PS

- Excellent dimensional stability,
- Good impact resistance,
- Easy processing,
- Excellent aesthetical properties.

Fillers / Reinforcements / Modifiers

- Glass fibers-glass beads
- Carbon fibers
- Heat stabilizers
- Hydrolysis stabilizers
- Lubricants
- UV stabilizers
- Thermally conductive
- Flame retardant compound with halogen and halogen free
 - UL94 V-2 or V-0 classifications
 - 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.

ACRYLONITRILE BUTADIENE STYRENE

Tisakril I 5D03 K01 K03 R01
ABS, 5% glass fiber reinforced,
UV stabilized, anti-static

Tisakril I 15D03 R01
ABS, 15% glass fiber reinforced

Tisakril I 25D03 R01
ABS, 25% glass fiber reinforced

Tisakril I UNR F01 R01
ABS, unreinforced, flame retardant-halogen

Tisakril I 5D03 K03 R01
ABS, 5% glass fiber reinforced,
UV stabilized

Tisakril I 15D03 R01
ABS, 15% glass fiber reinforced

Tisakril I 30D01 R01
ABS, 30% talc filled

Tisakril I UNR F01 K02 K04 R01
ABS, unreinforced, flame retardant-halogen,
impact modified, heat stabilized

Tisakril I 5D11 K02 R02
ABS, 5% carbon fiber reinforced,
heat stabilized

Tisakril I 15D05 F01 K02 R01
ABS, 15% glass bead reinforced,
flame retardant-halogen, heat stabilized

Tisakril I 30D03 K01 K03 R01
ABS, 30% glass fiber reinforced,
UV stabilized, anti-static

Tisakril I UNR F02 R01
ABS, unreinforced, flame retardant-
halogen free

Tisakril I 10D03 F01 R01
ABS, 10% glass fiber reinforced,
flame retardant-halogen

Tisakril I 15D05 K01 R01
ABS, 15% glass bead reinforced, anti-
static

Tisakril I 30D03 R01
ABS, 30% glass fiber reinforced

Tisakril I UNR K01 K03 R01
ABS, unreinforced, anti-static,
UV stabilized

Tisakril I 10D03 K03 R01
ABS, 10% glass fiber reinforced,
UV stabilized

Tisakril I 15D05 R01
ABS, 15% glass bead reinforced

Tisakril I 40D03 K01 K03 R01
ABS, 40% glass fiber reinforced,
UV stabilized, anti-static

Tisakril I UNR K01 K03 R01
ABS, unreinforced, UV stabilized,
anti-static

Tisakril I 10D03 R01
ABS, 10% glass fiber reinforced

Tisakril I 17D03 K02 R01
ABS, 17% glass fiber reinforced,
heat stabilized

Tisakril I 40D03 R01
ABS, 40% glass fiber reinforced

Tisakril I UNR K01 R01
ABS, unreinforced, anti-static

Tisakril I 10D11 F01 R02
ABS, 10% carbon fiber reinforced,
flame retardant-halogen

Tisakril I 20D03 K02 R01
ABS, 20% glass fiber reinforced,
heat stabilized

Tisakril I UNR F01 K01 K03 R01
ABS, unreinforced, flame
retardant-halogen, UV stabilized,
anti-static

Tisakril I UNR K02 K03 R01
ABS, unreinforced, UV stabilized,
heat stabilized

Tisakril I 10D11 R02
ABS, 10% carbon fiber reinforced

Tisakril I 20D03 R01
ABS, 20% glass fiber reinforced

Tisakril I UNR F01 K01 R01
ABS, unreinforced,
flame retardant-halogen, anti-static

Tisakril I UNR K03 R01
ABS, unreinforced, UV stabilized

Tisakril I 15D03 K01 R01
ABS, 15% glass fiber reinforced,
anti-static

Tisakril I 35D03D05 R01
ABS, 25% glass fiber&glass
bead reinforced

Tisakril I UNR F01 K03 R01
ABS, unreinforced, flame
retardant-halogen, UV stabilized

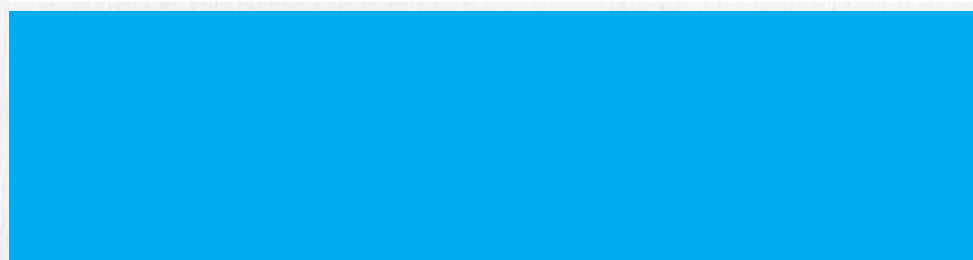
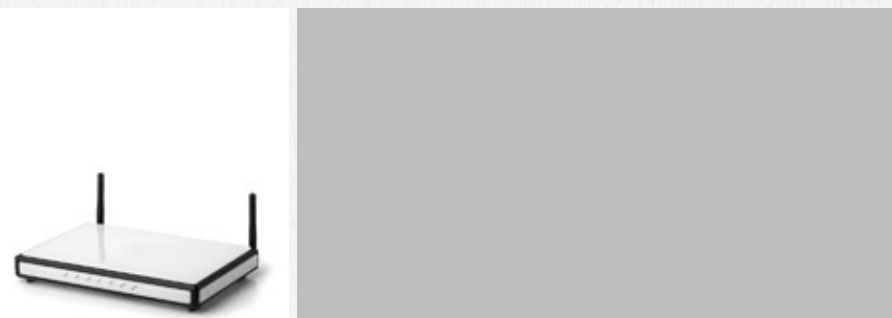
Tisakril I UNR K04 R01
ABS, unreinforced, impact modified

Tisakril I 15D03 K01 R01
ABS, 15% glass fiber reinforced,
anti-static

Tisakril I 25D03 F01 R01
ABS, 25% glass fiber reinforced,
flame retardant-halogen

Tisakril I UNR F01 K03 R01
ABS, unreinforced, UV stabilized,
flame retardant-halogen

Tisakril I UNR R01
ABS, unreinforced



POLYSTYRENE			
Tisren K 10D03 F01 K02 R01 PS, 10% glass fiber reinforced, flame retardant-halogen, heat stabilized	Tisren K 15D03 K04 K02 R01 PS, 15% glass fiber reinforced, impact modified, heat stabilized	Tisren K 25D03 F01 K02 R01 PS, 25% glass fiber reinforced, flame retardant-halogen, heat stabilized	Tisren K UNR K01 R01 PS, unreinforced, anti-static
Tisren K 10D03 K04 K02 R01 PS, 10% glass fiber reinforced, impact modified, heat stabilized	Tisren K 15D03 K04 R01 PS, 15% glass fiber reinforced, impact modified	Tisren K 25D03 K04 K02 R01 PS, 25% glass fiber reinforced, impact modified, heat stabilized	Tisren K UNR K02 K03 R01 PS, unreinforced, heat and UV stabilized
Tisren K 10D03 K04 R01 PS, 10% glass fiber reinforced, impact modified	Tisren K 20D03 F01 K02 R01 PS, 20% glass fiber reinforced, flame retardant-halogen, heat stabilized	Tisren K 25D03 K04 R01 PS, 25% glass fiber reinforced, impact modified	Tisren K UNR K04 K02 R01 PS, unreinforced, impact modified, heat stabilized
Tisren K 10D03 R01 PS, 10% glass fiber reinforced	Tisren K 20D03 K04 K02 R01 PS, 20% glass fiber reinforced, impact modified, heat stabilized	Tisren K UNR F01 K02 R01 PS, unreinforced, flame retardant-halogen, heat stabilized	Tisren K UNR K08 R01 PS, unreinforced, PTFE modified
Tisren K 15D03 F01 K02 R01 PS, 15% glass fiber reinforced, flame retardant-halogen, heat stabilized	Tisren K 20D03 K04 R01 PS, 20% glass fiber reinforced, impact modified	Tisren K UNR F01 K04 K02 R01 PS, unreinforced, flame retardant-halogen, impact modified, heat stabilized	Tisren K UNR R01 PS, unreinforced
Tisren K 15D03 K02 R01 PS, 15% glass fiber reinforced, heat stabilized	Tisren K 20D03 R01 PS, 20% glass fiber reinforced	Tisren K UNR F01 R01 PS, unreinforced, flame retardant-halogen	Tisren K UNR K01 K02 R01 PS, unreinforced, heat stabilized, anti-static

Tisan

www.tisan.com.tr

Tisan Factory 1

Address:

Ekşioğlu Mah. Yavuz Selim Cad. 86. Sk.
No:4 Alemdağ / İstanbul / TURKEY

Tisan Factory 2

Address:

Ekşioğlu Mah. Atabey Cad. No:24
Çekmeköy / İstanbul / TURKEY

Phone : +90 216 429 36 65

Fax : +90 216 312 14 78

E-mail : tisan@tisan.com.tr