Tisan
Plastics Engineer

TECHNICAL DATA SHEET

TİSLAMİD®

PRODUCT CODE	**TİSLAMİD A 40 D03 K04 R01**
PRODUCT DESCRIPTION	**PA6, 40% GLASS FIBER REINFORCED, IMPACT MODIFIED, NATURAL**

	PROPERTIES	CONDITION	STANDARD	UNITS	VALUE
PHYSICAL	DENSITY	-	ISO 1183	g/cm^3	**1.39-1.42**
	MOLDING SHRINKAGE	PARALLEL	ISO 294-4	%	**0.1-0.4**
	MOISTURE CONTENT	-	ISO 15512	%	**<0.2**

	PROPERTIES	CONDITION	STANDARD	UNITS	VALUE
MECHANICAL	YIELD STRENGTH	+23°C	ISO 527-2	MPa	**130-140**
	TENSILE STRESS AT BREAK	+23°C	ISO 527-2	MPa	**-**
	TENSILE STRAIN AT BREAK	+23°C	ISO 527-2	%	**>3**
	TENSILE MODULUS	+23°C	ISO 527-2	MPa	**9000-10000**
	IZOD IMPACT STRENGTH, NOTCHED	+23°C	ISO 180/A	kJ/m^2	**18-25**
	IZOD IMPACT STRENGTH, NOTCHED	-30°C	ISO 180/A	kJ/m^2	**-**

	PROPERTIES	CONDITION	STANDARD	UNITS	VALUE
THERMAL	VICAT SOFTENING TEMPERATURE	50 N	ISO 306	°C	**-**
	HEAT DEFLECTION TEMPERATURE	0,45 MPa	ISO 75	°C	**-**
	HEAT DEFLECTION TEMPERATURE	1,80 MPa	ISO 75	°C	**-**
	MELTING TEMPERATURE	10 K/min	ISO 11357	°C	**225**
	BALL PRESSURE TEST	-	ISO 60695-10-2	-	**-**

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With the Guarantee of T-LAB

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ELECTRICAL&FLAMMABILITY	FLAME RATING	0,75 mm	UL 94	-	**HB**
	FLAME RATING	1,6 mm	UL 94	-	**HB**
	GLOW WIRE FLAMMABILITY INDEX	3 mm	IEC 60695	°C	**-**
	GLOW WIRE FLAMMABILITY INDEX	1,6 mm	IEC 60695	°C	**-**
	GLOW WIRE IGNITABILITY TEMPERATURE	0,8 mm	IEC 60695	°C	**-**
	COMPARATIVE TRACKING INDEX	Solution A	ISO 60112	Volt	**500**
	VOLUME RESISTIVITY	-	IEC 60093	Ohm.cm	**1E+14**
	SURFACE RESISTIVITY	-	IEC 60093	Ohm	**1E+15**

	ÖZELLİKLERİ	BİRİM	DEĞER
INJECTION PROCESS	PREDRYING TEMPERATURE	°C	**100--120**
	PREDRYING TIME	Hours	**3-4**
	MELTING TEMPERATURE	°C	**230-250**
	NOZZLE TEMPERATURE	°C	**210-230**
	PRE- 3 REGION TEMPERATURE	°C	**240-260**
	MID-2 REGION TEMPERATURE	°C	**240-260**
	AFT-1 REGION TEMPERATURE	°C	**240-260**
	MOLD TEMPERATURE	°C	**50-90**
	HOLD PRESSURE	MPa	**50-100**

Data are based on dry conditions

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