

PRODUCT CODE	TİSAFORM M 10D03 R01
PRODUCT DESCRIPTION	POM, 10% GLASS FIBER REINFORCED, NATURAL

PHYSICAL	PROPERTIES	CONDITION	STANDARD	UNITS	VALUE
	DENSITY	-	ISO 1183	g/cm ³	1.45-1.49
	MOLDING SHRINKAGE	PARALLEL	ISO 294-4	%	0.8-1.50
	MOISTURE CONTENT	-	ISO 15512	%	<0.20

MECHANICAL	PROPERTIES	CONDITION	STANDARD	UNITS	VALUE
	YIELD STRENGTH	+23°C	ISO 527-2	MPa	60-70
	TENSILE STRESS AT BREAK	+23°C	ISO 527-2	MPa	-
	TENSILE STRAIN AT BREAK	+23°C	ISO 527-2	%	>2
	TENSILE MODULUS	+23°C	ISO 527-2	MPa	4000-5000
	IZOD IMPACT STRENGTH, NOTCHED	+23°C	ISO 180/A	kJ/m ²	5-10
	IZOD IMPACT STRENGTH, NOTCHED	-30°C	ISO 180/A	kJ/m ²	-

THERMAL	PROPERTIES	CONDITION	STANDARD	UNITS	VALUE
	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	165
	BALL PRESSURE TEST	-	ISO 60695-10-2	-	-

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ELECTRICAL & FLAMMABILITY	PROPERTIES	CONDITION	STANDARD	UNITS	VALUE
	FLAME RATING	0,75 mm	UL 94	-	HB
	FLAME RATING	1,6 mm	UL 94	-	HB
	GLOW WIRE FLAMMABILITY INDEX	2 mm	IEC 60695	°C	-
	GLOW WIRE IGNITABILITY TEMPERATURE	2 mm	IEC 60695	°C	-
	COMPARATIVE TRACKING INDEX	Solution A	ISO 60112	Volt	600
	VOLUME RESISTIVITY	-	IEC 60093	Ohm.cm	10E+14
	SURFACE RESISTIVITY	-	IEC 60093	Ohm	10E+16

INJECTION PROCESS	ÖZELLİKLERİ	BİRİM	DEĞER
	PREDRYING TEMPERATURE	°C	80
	PREDRYING TIME	Hours	1-2
	MELTING TEMPERATURE	°C	210-230
	NOZZLE TEMPERATURE	°C	230
	PRE- 3 REGION TEMPERATURE	°C	200-240
	MID-2 REGION TEMPERATURE	°C	200-240
	AFT-1 REGION TEMPERATURE	°C	150-180
	MOLD TEMPERATURE	°C	40-70
	HOLD PRESSURE	MPa	80-100