

PRODUCT CODE	TİSOPLEN D 45 D13 R01
PRODUCT DESCRIPTION	PPC, 45% BARIUM SULPHATE FILLED, NATURAL

PHYSICAL	PROPERTIES	CONDITION	STANDARD	UNITS	VALUE
	DENSITY	-	ISO 1183	g/cm ³	1.42-1.46
	MOLDING SHRINKAGE	PARALLEL	ISO 294-4	%	0.8-1.2
	MOISTURE CONTENT	-	ISO 15512	%	<0.2

MECHANICAL	PROPERTIES	CONDITION	STANDARD	UNITS	VALUE
	YIELD STRENGTH	+23°C	ISO 527-2	MPa	15-25
	TENSILE STRESS AT BREAK	+23°C	ISO 527-2	MPa	-
	TENSILE STRAIN AT BREAK	+23°C	ISO 527-2	%	>25
	TENSILE MODULUS	+23°C	ISO 527-2	MPa	1500-2500
IZOD IMPACT STRENGTH, NOTCHED	+23°C	ISO 180/A	kJ/m ²	6-15	

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	3 mm	IEC 60695	°C	-
	GLOW WIRE FLAMMABILITY INDEX	1,6 mm	IEC 60695	°C	-
	GLOW WIRE FLAMMABILITY INDEX	0,8 mm	IEC 60695	°C	-
	COMPARATIVE TRACKING INDEX	Solution A	ISO 60112	Volt	-
	VOLUME RESISTIVITY	-	IEC 60093	Ohm.cm	1E+15
	SURFACE RESISTIVITY	-	IEC 60093	Ohm	1E+15

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	50-100

Data are based on dry conditions

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of the users investigate whether any existing patents are infringed by the use of the materials mentioned in this publication. Call Customer Services for the appropriate Material Safety Data Sheets (MSDS) before attempting to process our products.