

PRODUCT CODE	TİSOPLEN C UNR F02 R02
PRODUCT DESCRIPTION	PPH, UNREINFORCED, FLAME RETARDANT- HALOGEN FREE, BLACK

PHYSICAL	PROPERTIES	CONDITION	STANDARD	UNITS	VALUE
	DENSITY	-	ISO 1183	g/cm ³	1.05-1.09
	MOLDING SHRINKAGE	PARALLEL	ISO 294-4	%	1.2-1.6
	MOISTURE CONTENT	-	ISO 15512	%	<0.1

MECHANICAL	PROPERTIES	CONDITION	STANDARD	UNITS	VALUE
	YIELD STRENGTH	+23°C	ISO 527-2	MPa	20-32
	TENSILE STRESS AT BREAK	+23°C	ISO 527-2	MPa	-
	TENSILE STRAIN AT BREAK	+23°C	ISO 527-2	%	>15
	TENSILE MODULUS	+23°C	ISO 527-2	MPa	1500-2500
IZOD IMPACT STRENGTH, NOTCHED	+23°C	ISO 180/A	kJ/m ²	4-8	

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	65
	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	-	V0
	FLAME RATING	1,6 mm	UL 94	-	V0
	GLOW WIRE FLAMMABILITY INDEX	2 mm	IEC 60695	°C	960
	GLOW WIRE IGNITABILITY TEMPERATURE	2 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+14

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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