

PRODUCT CODE	TİSOPLEN C 20D01 K09 R01
PRODUCT DESCRIPTION	PPH, 20% TALC FILLED, DETERGENT RESISTANCE, GREY

PHYSICAL	PROPERTIES	CONDITION	STANDARD	UNITS	VALUE
	DENSITY	-	ISO 1183	g/cm ³	1.03-1.06
	MOLDING SHRINKAGE	PARALLEL	ISO 294-4	%	0.9
	MOISTURE CONTENT	-	ISO 15512	%	<0.2

MECHANICAL	PROPERTIES	CONDITION	STANDARD	UNITS	VALUE
	YIELD STRENGTH	+23°C	ISO 527-2	MPa	30-35
	TENSILE STRESS AT BREAK	+23°C	ISO 527-2	MPa	-
	TENSILE STRAIN AT BREAK	+23°C	ISO 527-2	%	>4
	TENSILE MODULUS	+23°C	ISO 527-2	MPa	2000-3000
	IZOD IMPACT STRENGTH, NOTCHED	+23°C	ISO 180/A	kJ/m ²	5-8

THERMAL	PROPERTIES	CONDITION	STANDARD	UNITS	VALUE
	VICAT SOFTENING TEMPERATURE	50 N	ISO 306	°C	155
	HEAT DEFLECTION TEMPERATURE	0,45 MPa	ISO 75	°C	120
	HEAT DEFLECTION TEMPERATURE	1,80 MPa	ISO 75	°C	60
	MELTING TEMPERATURE	10 K/min	ISO 11357	°C	165-170

EL	PROPERTIES	CONDITION	STANDARD	UNITS	VALUE
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PRODUCT CODE	TISOPLEN C 20D01 K09 R01
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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	-
VOLUME RESISTIVITY	-	IEC 60093	Ohm.cm	1E+15
SURFACE RESISTIVITY	-	IEC 60093	Ohm	1E+15

	PROPERTIES	CONDITION	VALUE
INJECTION PROCESS	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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