

Material Data Sheet



Material Code: Sapylen SD10020

Material Description :Sapylen SD10020 is a 20 % mineral filled Polypropylene. Material properties include high fluidity , UVstabilized and high stiffness and very good impact behaviour. This material optimised for good aesthetics , good scratch resistance and injection moulding wich makes it very suitable for instrumentpanel application . This grade is available in custom color.

Mechanical Properties	Value	Unit	Standard
Density	1.02±0.02	g/Cm ³	ASTM D 792
Shirnkage	1-1.1	%	ASTM D955
Filler Content(600°C , 30 min)	20±1	%	ASTM D5630
Tensile stress @ yield	21	MPa	ASTM D638
Elongation @ Yield	min 7	%	ASTM D638
Izod Impact Notched @ 23°C	min 25	kJ/m ²	ASTM D256
Izod Impact Notched @ 0°C	min 4.1	kJ/m ²	ASTM D256
Izod Impact Notched @ -20°C	min 3.44	kJ/m ²	ASTM D256
Hardness(23°C)	65±3	ShoreD/15sec	ASTM D2240

Thermal Properties

MFI(230°C/2.16kg)	12±2	gr/10min	ASTM 1238
HDT (120°C/h,1.8 MPa)	min 57	°C	ASTM D648

Color Matching

ΔE	≤0.5	Ral design 0001500	D155084
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