

Material Data Sheet



Material Code: Sapylen PP20TH

Material Description :Sapylen PP20TH is a 20 % mineral filled Polypropylene. Material properties include high fluidity and high stiffness. This material is optimized for good aesthetics and injection moulding which makes it very suitable for instrument panel application. This grade is available in custom color.

Mechanical Properties	Value	Unit	Standard
Density	1.02±0.02	g/Cm ³	ASTM D 792
Shrinkage	1-1.1	%	ASTM D955
Filler Content(600°C , 30 min)	20±2	%	ASTM D5630
Tensile stress @ yield	min 23	MPa	ASTM D638
Tensile stress @ Break	min 23	MPa	ASTM D638
Elongation @ Break	min 5	%	ASTM D638
Izod Impact Notched @ 23°C	min 2	kJ/m ²	ASTM D256
Hardness(23°C)	73±2	ShoreD/15sec	ASTM D2240

Thermal Properties

MFI(230°C/2.16kg)	10±2	gr/10min	ASTM 1238
HDT (120°C/h,1.8 MPa)	min 70	°C	ASTM D648

Color Matching

ΔE	≤0.5	Ral design 0001500	D155084
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www.sahelchimie.com

info@sahelchimie.com



Fax: +981132023008

Tel: +981132023126-9