

Inno-Comp INNOPOLÂ® CS 1-3140 40% Talc-Filled Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Talc Filler

Material Notes:

INNOPOLÂ® CS 1-3140 is a 40% talc-filled polypropylene homopolymer compound. This grade is available in natural and custom colored form. INNOPOLÂ® CS 1-3140 is recommended especially for producing products, where high stiffness, low shrinkage, long term heat stability and good processability are required. All information provided by INNO-COMP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Inno-Comp-INNOPOL-CS-1-3140-40-Talc-Filled-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	ISO 1183
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Melt Flow	9.0 g/10 min	9.0 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 230 Â°C	@Load 4.76 lb, Temperature 446 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	31.0 MPa	4500 psi	50 mm/min; ISO 527-1,-2
Elongation at Yield	3.5 %	3.5 %	50 mm/min; ISO 527-1,-2
Tensile Modulus	4.00 GPa	580 ksi	1 mm/min; ISO 527-1,-2
Flexural Modulus	4.10 GPa	595 ksi	2 mm/min; ISO 178
Charpy Impact, Notched	0.150 J/cm ²	0.714 ft-lb/in ²	ISO 179/1eA
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	0.250 J/cm ²	1.19 ft-lb/in ²	ISO 179/1eA
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	133 Â°C	271 Â°F	ISO 75-1,-2
Deflection Temperature at 1.8 MPa (264 psi)	78.0 Â°C	172 Â°F	ISO 75-1,-2
Flammability, UL94	HB	HB	FMVSS 302
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Thermal Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Color		Natural	

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