

Inno-Comp INNOPOLÂ® CS 1-4140 BAP 40% Talc-Filled Polypropylene Homopolymer

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

Material Notes:

INNOPOLÂ® CS 1-4140 B AP is a 40% talc-filled polypropylene homopolymer compound /PP-H TD40 (ISO 1043)/.INNOPOLÂ® CS 1-4140 B AP is recommended especially for producing products, where high stiffness, low shrinkage and long term heat stability are required.All information provided by INNO-COMP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Inno-Comp-INNOPOL-CS-1-4140-BAP-40-Talc-Filled-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc @Temperature 23.0 Â°C	0.0441 lb/inÂ³ @Temperature 73.4 Â°F	ISO 1183
Melt Flow	4.5 g/10 min @Load 2.16 kg, Temperature 230 Â°C	4.5 g/10 min @Load 4.76 lb, Temperature 446 Â°F	ISO 1133
Ash	39 % @Temperature 600 Â°C	39 % @Temperature 1110 Â°F	ISO 3451-1/A

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	31.0 MPa	4500 psi	50 mm/min; ISO 527-1,-2
Elongation at Break	7.0 %	7.0 %	ISO 527-1,-2
Elongation at Yield	3.8 %	3.8 %	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 Unnotched	1.30 J/cmÂ² @Temperature -30.0 Â°C	6.19 ft-lb/inÂ² @Temperature -22.0 Â°F	ISO 179/1eU
	3.00 J/cmÂ² @Temperature 23.0 Â°C	14.3 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 179/1eU
Charpy Impact, Notched	0.160 J/cmÂ² @Temperature -30.0 Â°C	0.761 ft-lb/inÂ² @Temperature -22.0 Â°F	ISO 179/1eA

Mechanical Properties	Metric	English	Comments
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	130 Å°C	266 Å°F	ISO 75-1,-2
Deflection Temperature at 1.8 MPa (264 psi)	79.0 Å°C	174 Å°F	ISO 75-1,-2
Vicat Softening Point	92.0 Å°C	198 Å°F	B120; ISO 306
	155 Å°C	311 Å°F	A120; ISO 306
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	FMVSS 302

Descriptive Properties	Value	Comments
Color	Black	

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