

Inno-Comp INNOPOLÂ® CS 1-1120 AN 20% Talc-Filled Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Talc Filler

Material Notes:

INNOPOLÂ® CS 1-1120 AN is a 20% talc-filled polypropylene homopolymer compound /PP-H TD20 (ISO 1043)/. This grade is available in natural and custom colored form. INNOPOLÂ® CS 1-1120 AN is developed for producing injection molded components. All information provided by INNO-COMP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Inno-Comp-INNOPOL-CS-1-1120-AN-20-Talc-Filled-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ISO 1183
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Melt Flow	22 g/10 min	22 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 Break	7.0 %	7.0 %	ISO 527-1,-2
Elongation at Yield	4.2 %	4.2 %	50 mm/min; ISO 527-1,-2
Tensile Modulus	2.70 GPa	392 ksi	1 mm/min; ISO 527-1,-2
Flexural Modulus	2.75 GPa	399 ksi	2 mm/min; ISO 178
Charpy Impact Unnotched	1.50 J/cm ²	7.14 ft-lb/in ²	ISO 179/1eU
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
Charpy Impact Unnotched	3.50 J/cm ²	16.7 ft-lb/in ²	ISO 179/1eU
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact, Notched	0.130 J/cm ²	0.619 ft-lb/in ²	ISO 179/1eA
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
Charpy Impact, Notched	0.230 J/cm ²	1.09 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)	118 Â°C	244 Â°F	ISO 75-1,-2
Deflection Temperature at 1.8 MPa (264 psi)	61.0 Â°C	142 Â°F	ISO 75-1,-2
Vicat Softening Point	95.0 Â°C	203 Â°F	B120; ISO 306
	152 Â°C	306 Â°F	A120; ISO 306

Descriptive Properties	Value	Comments
Color	Natural	

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