

Inno-Comp INNOPOLÂ® CS 2-2523 EP 16% Talc Filled, Elastomer Modified Polypropylene Copolymer

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

Material Notes:

INNOPOLÂ® CS 2-2523 EP is a 16% talc-filled, elastomer modified compound based on polypropylene block-copolymer. This grade is available in natural and custom colored form. INNOPOLÂ® CS 2-2523 EP is developed for producing injection molded automotive components. Information provided by INNO-COMP

Order this product through the following link:

http://www.lookpolymers.com/polymer_Inno-Comp-INNOPOL-CS-2-2523-EP-16-Talc-Filled-Elastomer-Modified-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	1.01 g/cc	0.0365 lb/in ³	ISO 1183
Melt Flow	18 g/10 min @Load 2.16 kg, Temperature 230 Â°C	18 g/10 min @Load 4.76 lb, Temperature 446 Â°F	nozzle diam 2.095 mm; ISO 1133
Storage Temperature	<= 60.0 Â°C	<= 140 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Stress	21.0 MPa	3050 psi	50 mm/min; ISO 527-1,-2
Elongation at Yield	5.0 %	5.0 %	50 mm/min; ISO 527-1,-2
Tensile Modulus	1.60 GPa	232 ksi	1 mm/min; ISO 527-1,-2
Flexural Modulus	1.70 GPa	247 ksi	ISO 178
Charpy Impact, Notched	0.600 J/cm ² @Temperature -20.0 Â°C	2.86 ft-lb/in ² @Temperature -4.00 Â°F	ISO 179/1eA
	2.50 J/cm ² @Temperature 23.0 Â°C	11.9 ft-lb/in ² @Temperature 73.4 Â°F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	103 Â°C	217 Â°F	ISO 75-1,-2

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	190 - 240 Â°C	374 - 464 Â°F	Injection

Middle Barrel Temperature Processing Properties	190 - 240 Å°C Metric	374 - 464 Å°F English	Injection Comments
Front Barrel Temperature	190 - 240 Å°C	374 - 464 Å°F	Injection
Melt Temperature	210 - 250 Å°C	410 - 482 Å°F	Injection
Mold Temperature	15.0 - 50.0 Å°C	59.0 - 122 Å°F	
Moisture Content	<= 0.070 %	<= 0.070 %	

Descriptive Properties	Value	Comments
Resin Designation	PP/PE TD 16	ISO 1043

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