

Inno-Comp INNOPOLÂ® CS 2-9000 MA B Polypropylene Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

INNOPOLÂ® CS 2-9000 MA B is a black colored, high melt flow copolymer with antistatic additive. INNOPOLÂ® CS 2-9000 MA B is developed for producing injection molded automotive components. All information provided by INNO-COMP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Inno-Comp-INNOPOL-CS-2-9000-MA-B-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc @Temperature 23.0 Â°C	0.0325 lb/inÂ³ @Temperature 73.4 Â°F	ISO 1183
Linear Mold Shrinkage, Flow	0.014 cm/cm	0.014 in/in	ISO 294
Linear Mold Shrinkage, Transverse	0.022 cm/cm	0.022 in/in	ISO 294
Melt Flow	36 g/10 min @Load 2.16 kg, Temperature 230 Â°C	36 g/10 min @Load 4.76 lb, Temperature 446 Â°F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.0 MPa	3920 psi	50 mm/min; ISO 527-1,-2
Elongation at Break	25 %	25 %	ISO 527-1,-2
Elongation at Yield	4.5 %	4.5 %	50 mm/min; ISO 527-1,-2
Tensile Modulus	1.405 GPa	203.8 ksi	1 mm/min; ISO 527-1,-2
Flexural Modulus	1.55 GPa	225 ksi	2 mm/min; ISO 178
Charpy Impact Unnotched	89.0 J/cmÂ² @Temperature -30.0 Â°C	424 ft-lb/inÂ² @Temperature -22.0 Â°F	PB; ISO 179/1eU
	NB @Temperature 23.0 Â°C	NB @Temperature 73.4 Â°F	ISO 179/1eU
Charpy Impact, Notched	0.450 J/cmÂ² @Temperature -30.0 Â°C	2.14 ft-lb/inÂ² @Temperature -22.0 Â°F	ISO 179/1eA
	1.00 J/cmÂ² @Temperature 23.0	4.76 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 179/1eA

Mechanical Properties	°C Metric	English	Comments
Thermal Properties	Metric	English	Comments
Melting Point	163 °C	325 °F	DSC; ISO 11357-1,-3
Deflection Temperature at 0.46 MPa (66 psi)	108 °C	226 °F	ISO 75-1,-2
Deflection Temperature at 1.8 MPa (264 psi)	57.0 °C	135 °F	ISO 75-1,-2
Vicat Softening Point	79.0 °C	174 °F	B120; ISO 306
	148 °C	298 °F	A120; ISO 306
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	FMVSS 302

Descriptive Properties	Value	Comments
Automotive Materials	Pass	FMVSS 302
Color	Black	

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