

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

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

Material Notes:

INNOPOLÂ® CS 2-9000 MA N is a high melt flow copolymer with antistatic additive. INNOPOLÂ® CS 2-9000 MA N 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-N-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/inÂ³	ISO 1183
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
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	45 g/10 min	45 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	28.0 MPa	4060 psi	50 mm/min; ISO 527-1,-2
Elongation at Break	26 %	26 %	ISO 527-1,-2
Elongation at Yield	5.0 %	5.0 %	50 mm/min; ISO 527-1,-2
Tensile Modulus	1.45 GPa	210 ksi	1 mm/min; ISO 527-1,-2
Flexural Modulus	1.58 GPa	229 ksi	2 mm/min; ISO 178
Charpy Impact Unnotched	86.0 J/cmÂ²	409 ft-lb/inÂ²	PB; ISO 179/1eU
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
	NB	NB	ISO 179/1eU
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact, Notched	0.400 J/cmÂ²	1.90 ft-lb/inÂ²	ISO 179/1eA
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
	0.900 J/cmÂ²	4.28 ft-lb/inÂ²	ISO 179/1eA
	@Temperature 23.0	@Temperature 73.4 Â°F	

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)	109 °C	228 °F	ISO 75-1,-2
Deflection Temperature at 1.8 MPa (264 psi)	58.0 °C	136 °F	ISO 75-1,-2
Vicat Softening Point	81.0 °C	178 °F	B120; ISO 306
	147 °C	297 °F	A120; ISO 306
Flammability, UL94	HB	HB	FMVSS 302
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Descriptive Properties	Value	Comments
Automotive Materials	Pass	FMVSS 302
Color	Natural	

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