

Inno-Comp INNOPOLÂ® CS 1-8000 Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

INNOPOLÂ® CS 1-8000 is a polypropylene homopolymer compound. This grade is available in natural and custom colored form. INNOPOLÂ® CS 1-8000 is highly suitable for manufacturing indoor waste water discharge system and chemical treated parts, where the required properties are high strength, high stiffness and chemical resistance. All information provided by INNO-COMP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Inno-Comp-INNOPOL-CS-1-8000-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ISO 1183
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Melt Flow	0.40 g/10 min	0.40 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	30.0 MPa	4350 psi	50 mm/min; ISO 527-1,-2
Elongation at Yield	11 %	11 %	50 mm/min; ISO 527-1,-2
Tensile Modulus	1.30 GPa	189 ksi	1 mm/min; ISO 527-1,-2
Izod Impact, Notched (ISO)	3.10 kJ/m ²	1.48 ft-lb/in ²	ISO 179/1eA
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	12.0 kJ/m ²	5.71 ft-lb/in ²	ISO 179/1eA
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact, Notched	0.270 J/cm ²	1.28 ft-lb/in ²	ISO 179/1eA
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	1.00 J/cm ²	4.76 ft-lb/in ²	ISO 179/1eA
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Melting Point	164 Â°C	327 Â°F	DSC; ISO 11357-1,-3

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (67 psi)	95.0 Â°C	203 Â°F	ISO 75-1,-2
Deflection Temperature at 1.8 MPa (264 psi)	56.0 Â°C	133 Â°F	ISO 75-1,-2

Descriptive Properties	Value	Comments
Color	Natural	

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