

Inno-Comp INNOPOLÂ® CS 3-8000 FR Flame Retardant Polypropylene Blend

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Flame Retardant

Material Notes:

INNOPOLÂ® CS 3-8000 FR is a flame retarded polypropylene compound based on a specific blend of polypropylene homo polymer and copolymer. This grade is available in natural and custom colored form. INNOPOLÂ® CS 3-8000 FR is highly suitable for manufacturing indoor waste water discharge system parts. This grade is a flame-retarded material, where the classification of flame retardancy is B2 according to DIN 4102. Information provided by INNO-COMP

Order this product through the following link:

http://www.lookpolymers.com/polymer_Inno-Comp-INNOPOL-CS-3-8000-FR-Flame-Retardant-Polypropylene-Blend.php

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/inÂ³	ISO 1183
Melt Flow	0.60 g/10 min @Load 2.16 kg, Temperature 230 Â°C	0.60 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	28.0 MPa	4060 psi	50 mm/min; ISO 527-1,-2
Elongation at Yield	11 %	11 %	50 mm/min; ISO 527-1,-2
Tensile Modulus	1.10 GPa	160 ksi	1 mm/min; ISO 527-1,-2
Charpy Impact, Notched	0.250 J/cmÂ² @Temperature -20.0 Â°C	1.19 ft-lb/inÂ² @Temperature -4.00 Â°F	ISO 179/1eA
	1.00 J/cmÂ² @Temperature 23.0 Â°C	4.76 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	90.0 Â°C	194 Â°F	ISO 75-1,-2

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	180 - 220 Â°C	356 - 428 Â°F	Extrusion
	190 - 260 Â°C	374 - 500 Â°F	Injection
Middle Barrel Temperature	180 - 220 Â°C	356 - 428 Â°F	Extrusion

Processing Properties	Metric 190 - 260 Å°C	English 374 - 500 Å°F	Comments Injection
Front Barrel Temperature	180 - 220 Å°C	356 - 428 Å°F	Extrusion
	190 - 260 Å°C	374 - 500 Å°F	Injection
Die Temperature	190 - 220 Å°C	374 - 428 Å°F	Extrusion
Melt Temperature	200 - 230 Å°C	392 - 446 Å°F	Extrusion
	240 - 260 Å°C	464 - 500 Å°F	Injection
Mold Temperature	15.0 - 50.0 Å°C	59.0 - 122 Å°F	
Moisture Content	<= 0.050 %	<= 0.050 %	

Descriptive Properties	Value	Comments
Resin Designation	PP-H/PP-B	ISO 1043

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