

Moplen EP380S

Polypropylene Copolymer

PolyMirae

Message:

Moplen EP380S is the polypropylene block copolymer manufactured by PMC under the license of BASELL using the Spheripol process. Moplen EP380S is a block copolymer selected by customers for use in injection molding of DVD case, washing m/c tub, electrical appliances and housewares. Moplen EP380S resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

General Information			
Additive	Antistatic		
Features	Antistatic		
	Block Copolymer		
	Food Contact Acceptable		
	Good Dimensional Stability		
	Low Temperature Impact Resistance		
Uses	Appliances		
	Automotive Applications		
	Electrical/Electronic Applications		
	Food Packaging		
	Household Goods		
Agency Ratings	FDA 21 CFR 177.1520		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	30	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	22.6	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	6.0	%	ASTM D638
Flexural Modulus (Injection Molded)	1130	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, Injection Molded	49	J/m	
23°C, Injection Molded	98	J/m	

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	95.0	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525

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