



Moplen EP380S

Polypropylene, Impact Copolymer

Product Description

Moplen EP380S is a polypropylene impact copolymer manufactured using the Spheripol process. Potential applications include injection molding of DVD cases, washing machine tubs, electrical appliance parts, food packaging and general housewares.

Product Characteristics

Status	Commercial: Restricted
Test Method used	ASTM
Availability	Asia-Pacific, Africa-Middle East, Latin America
Processing Methods	Injection Molding
Features	Antistatic, Impact Copolymer, Good Impact Resistance
Typical Customer Applications	Appliances, Housewares, Multi Media Packaging, White Goods

Typical Properties	Method	Value	Unit
Physical			
Density -Specific Gravity	ASTM D 792	0.9	g/cm ³
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	30	g/10 min
<i>Note: ASTM D1238L</i>			
Mechanical			
Flexural Modulus	ASTM D 790	11500	
Tensile Strength @ Yield	ASTM D 638	230	
Tensile Elongation @ Yield	ASTM D 638	6	%
Impact			
Notched Izod Impact	ASTM D 256		
(23 °C)		10	kg-cm/cm
(-20 °C)		5	kg-cm/cm
Hardness			
Rockwell Hardness (R Scale)	ASTM D 785	90	
Thermal			
Vicat softening point	ASTM D 1525	152	°C
Heat deflection temperature at 0.46 N/mm ²	ASTM D 648	95	°C

Additional Properties

Moplen EP380S does meet FDA requirements for food contact under the Code of Federal Regulations in 21 CFR 177.1520, with the exception of cooking applications.

Notes

Typical properties; not to be construed as specifications.