

MARPOL® PSH 6132

High Impact Polystyrene
Marco Polo International, Inc.

Message:

MARPOL ® PSH 6132 is a high melt flow, high impact polystyrene specially designed for hard to fill injection molding applications. It is ideal for large parts, thin wall parts or molds with complex runner and gate systems.

General Information			
Features	Food Contact Acceptable		
	High Flow		
	High Impact Resistance		
Uses	Medical/Healthcare Applications		
	Textile Applications		
	Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1640		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	13	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	22.8	MPa	ASTM D638
Tensile Elongation (Yield)	45	%	ASTM D638
Flexural Strength	39.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Falling Dart Impact	13.6	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Annealed)	87.2	°C	ASTM D648
Vicat Softening Temperature	93.3	°C	ASTM D1525
Optical	Nominal Value		Test Method
Gloss (60°)	94		ASTM D523

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