

PrimaFlex® HI 0803

High Impact Polystyrene

Plastic Solutions, Inc.

Message:

Description: HI 0803 is a high impact polystyrene for injection molding.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Good Toughness		
	High Impact Resistance		
	High Rigidity		
Uses	Business Equipment		
	Consumer Applications		
	Electrical/Electronic Applications		
	Household Goods		
	Housings		
Agency Ratings	FDA 21 CFR 177.1640		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1860	MPa	ASTM D638
Tensile Strength (Yield)	22.3	MPa	ASTM D638
Flexural Modulus	1860	MPa	ASTM D790
Flexural Strength	39.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	82.2	°C	ASTM D648
Vicat Softening Temperature	97.8	°C	ASTM D1525

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