

# PrimaFlex® HI 1402

High Impact Polystyrene

Plastic Solutions, Inc.

## Message:

Description: HI 1402 is a high melt flow, high impact polystyrene for injection molding.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	High Flow		
	High Impact Resistance		
Uses	Masterbatch		
	Medical/Healthcare Applications		
	Textile Applications		
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)	14	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2210	MPa	ASTM D638
Tensile Strength (Yield)	22.8	MPa	ASTM D638
Flexural Modulus	2070	MPa	ASTM D790
Flexural Strength	39.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Gardner Impact	13.6	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	87.2	°C	ASTM D648
Vicat Softening Temperature	93.3	°C	ASTM D1525

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## Recommended distributors for this material

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