

PrimaFlex® HI 0302

High Impact Polystyrene

Plastic Solutions, Inc.

Message:

Description: HI 0302 is a high impact polystyrene designed specifically for extrusion and thermoforming.

General Information	
Features	Food Contact Acceptable
	Good Processability
	Good Toughness
	High ESCR (Stress Crack Resist.)
	High Impact Resistance
Uses	Food Containers
	Food Packaging
	Medical/Healthcare Applications
Agency Ratings	FDA 21 CFR 177.1640
Processing Method	Extrusion
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	3.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2070	MPa	ASTM D638
Tensile Strength (Yield)	24.8	MPa	ASTM D638
Flexural Modulus	2210	MPa	ASTM D790
Flexural Strength	47.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	120	J/m	ASTM D256
Gardner Impact	12.4	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	94.4	°C	ASTM D648
Vicat Softening Temperature	102	°C	ASTM D1525

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Recommended distributors for this material

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