Osterlene® HI-13-2.1

High Impact Polystyrene

Osterman & Company

Message:

HI-13-2.1 is a high melt flow, high impact polystyrene specially designed for hard to fill injection molding applications.
The material is targeted for large parts, thin wall parts or molds with complex runner and gate systems.
The high flow HI-13-2.1 material aids production of stress free parts.

General Information			
Features	High Flow High Impact Resistance		
Uses	Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1640		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	13	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2210	MPa	ASTM D638
Tensile Strength (Yield)	22.1	MPa	ASTM D638
Tensile Elongation (Break)	45	%	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	14.1	J	ASTM D3029
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Annealed)	84.4	°C	ASTM D648
Vicat Softening Temperature	91.7	°C	ASTM D1525
Flammability	**Nominal Value**		**Test Method**
Flame Rating	HB		UL 94
Optical	**Nominal Value**		**Test Method**
Gardner Gloss (60°)	92		ASTM D523

Recommended distributors for this material

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