Osterlene® HE-3-2

High Impact Polystyrene

Osterman & Company

Message:

HE-3-2 is a high impact polystyrene designed specifically for extrusion/thermoforming.
The polymers balanced properties and processing characteristics make it especially suitable for industrial packaging deep draw thermoforming and custom multi-layer sheet extrusion.
This popular resin has established itself as the standard extrusion grade high impact polystyrene.
HE-3.0-2.0 has passed the 3A SANITARY STANDARDS for multiuse plastic materials.

General Information	
Features	High Impact Resistance
Uses	Industrial Applications Packaging Sheet
Agency Ratings	FDA 21 CFR 177.1640
Forms	Pellets
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)	24.1	MPa	ASTM D638
Tensile Elongation (Break)	55	%	ASTM D638
Flexural Modulus	2210	MPa	ASTM D790
Flexural Strength	47.6	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)	93.9	°C	ASTM D648
Vicat Softening Temperature	98.9	°C	ASTM D1525
Flammability	**Nominal Value**		**Test Method**
Flame Rating	HB		UL 94
Optical	**Nominal Value**		**Test Method**
Gardner Gloss (60°)	70		ASTM D523

infringement occurs, please contact us immediately.

Recommended distributors for this material

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