

Osterlene® CIEB-4-00-h

General Purpose Polystyrene

Osterman & Company

Message:

CIEB-4-00-h is a high heat crystal polystyrene designed for injection molding, extrusion and blow molding. The material demonstrates excellent strength and good temperature resistance. The varied applications include electronic packaging, extruded light diffusers and office accessories.

General Information	
Features	Crystal High Heat Resistance High Strength
Uses	Business Equipment Lighting Diffusers Packaging
Agency Ratings	FDA 21 CFR 177.1640
Forms	Pellets
Processing Method	Blow Molding Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2960	MPa	ASTM D638
Tensile Strength (Yield)	51.0	MPa	ASTM D638
Flexural Modulus	3100	MPa	ASTM D790
Flexural Strength	96.5	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Annealed)	100	°C	ASTM D648
Vicat Softening Temperature	106	°C	ASTM D1525
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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