

Osterlene® MI-13-1.4

Medium Impact Polystyrene

Osterman & Company

Message:

MI-13-1.4 is a medium impact polystyrene with balanced physical properties. This polymer is utilized in applications such as scale models, toys, housewares, and containers requiring consistency from shot to shot. Thin walled parts with complex runners and gates run fast and consistently with the easy flow MI-13-1.4. The natural whiteness of MI-13-1.4 allows for brightness of colors and reproducibility of color matches. MI-13-1.4 is the base carrier of choice for many color concentrate producers.

General Information			
Features	Food Contact Acceptable		
	Good Color Stability		
	Good Colorability		
	Good Flow		
	Good Processing Stability		
	Medium Impact Resistance		
Uses	Containers		
	Household Goods		
	Modeling Material		
	Non-specific Food Applications		
	Toys		
Agency Ratings	FDA 21 CFR 177.1640		
Appearance	White		
Forms	Pellets		
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	2480	MPa	ASTM D638
Tensile Strength (Yield)	24.8	MPa	ASTM D638
Tensile Elongation (Break)	45	%	ASTM D638
Flexural Modulus	2340	MPa	ASTM D790
Flexural Strength	44.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	75	J/m	ASTM D256
Gardner Impact	11.3	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Annealed)	87.8	°C	ASTM D648
Vicat Softening Temperature	92.2	°C	ASTM D1525

Flammability	Nominal Value	Test Method
Flame Rating	HB	UL 94

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

