

Osterlene® CI-14-00

General Purpose Polystyrene

Osterman & Company

Message:

CI-14-00 is a high melt, easy flow crystal polystyrene for fast cycle injection molding. The high flow characteristics of this material make it easy to fill thin parts. CI-14-00 is utilized in products such as cutlery, tumblers and containers. Other features are excellent clarity and FDA compliance.

General Information			
Features	Crystal		
	Fast Molding Cycle		
	High Clarity		
	High Flow		
	High Melt Stability		
Uses	Containers		
	Cups		
	Disposable Tableware		
	Foam		
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)	14	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2900	MPa	ASTM D638
Tensile Strength	42.1	MPa	ASTM D638
Flexural Modulus	3030	MPa	ASTM D790
Flexural Strength	6.89	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Annealed)	86.7	°C	ASTM D648
Vicat Softening Temperature	93.3	°C	ASTM D1525
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	

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