

# Osterlene® CIE-9-00

General Purpose Polystyrene

Osterman & Company

Message:

CIE-9-00 is a crystal polystyrene for both injection molding and cap layer co-extrusion. Injection molding applications such as medical and laboratory parts, tumblers and jewel boxes demonstrate the polymers ability to be molded with minimal stresses and fast cycles. Utilizing CIE-9-00 as a cap layer in cups, plates and other consumer disposables takes advantage of this polymers melt rheology.

General Information			
Features	Crystal		
	Fast Molding Cycle		
Uses	Consumer Applications		
	Cups		
	Labware		
	Medical/Healthcare Applications		
Agency Ratings	FDA 21 CFR 177.1640		
Forms	Pellets		
Processing Method	Coextrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	9.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3030	MPa	ASTM D638
Tensile Strength (Yield)	46.2	MPa	ASTM D638
Flexural Modulus	3100	MPa	ASTM D790
Flexural Strength	93.1	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Annealed)	96.7	°C	ASTM D648
Vicat Softening Temperature	101	°C	ASTM D1525
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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