

Osterlene® GPPS03.500

General Purpose Polystyrene

Osterman & Company

Message:

GPPS03.500 is a medium flow crystal polystyrene.

Applications for GPPS03.500 include electronics, office accessories and appliance components.

This material complies with FDA requirements as described in 21 CFR § 177.1640. This material holds Underwriters Laboratory recognition 94HB; see UL File E55470 at www.UL.com. USP Class VI.

Material Safety Data Sheets are available to help customers satisfy their safety needs.

General Information			
Features	Medium liquidity		
Uses	Cup		
	Electrical/Electronic Applications		
	Electrical appliances		
Agency Ratings	FDA 21 CFR 177.1640		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	3.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 - 0.70	%	ASTM D955
Moisture		%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2960	MPa	ASTM D638
Tensile Strength	51.7	MPa	ASTM D638
Flexural Modulus	2960	MPa	ASTM D790
Flexural Strength	96.5	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Annealed)	91.1	°C	ASTM D648
Vicat Softening Temperature	97.8	°C	ASTM D1525

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Recommended distributors for this material

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