

Osterlene® GPPS1400

General Purpose Polystyrene

Osterman & Company

Message:

GPPS1400 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.

GPPS1400 is utilized in products such as cutlery, tumblers and containers.

Other features are excellent clarity and FDA compliance.

General Information			
Features	Good liquidity		
Uses	Container		
Agency Ratings	FDA 21 CFR 177.1640		
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	7.58	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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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



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