

Valtra® EA3400

General Purpose Polystyrene

Saudi Polymers Company

Message:

Features

Less than 300ppm residual volatiles with minimal taste and odor transfer

Excellent clarity and color

Good toughness

Typical Applications

Cap layers in co-ex applications

Blends with SB-Copolymers

Thick wall injection molded cups

General Information			
Features	Lower odor transfer		
	Lower taste transfer		
	Definition, high		
	Good toughness		
	Compliance of Food Exposure		
Uses	Cup		
	Mixing		
Agency Ratings	FDA 21 CFR 177.1640		
Forms	Particle		
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)	9.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹ (3.20 mm, Injection Molded)	3240	MPa	ASTM D638
Tensile Strength ²			ASTM D638
Yield, 3.20mm, injection molding	48.0	MPa	ASTM D638
Fracture, 3.20mm, injection molding	48.0	MPa	ASTM D638
Tensile Elongation ³ (Yield, 3.20 mm, Injection Molded)	3.0	%	ASTM D638
Flexural Modulus ⁴ (3.20 mm, Injection Molded)	3170	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.18 mm	19	J/m	ASTM D256
23°C, 6.35 mm	16	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Vicat Softening Temperature	99.0	°C	ASTM D1525 ⁵
NOTE			
1.	5.0 mm/min		
2.	5.0 mm/min		
3.	5.0 mm/min		
4.	2.5 mm/min		
5.	标准 B (120°C/h)		

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