

Valtra® EA3300

General Purpose Polystyrene

Saudi Polymers Company

Message:

Features

Super high molecular weight

Low gel content

Excellent clarity

High Vicat temperature

Typical Applications

Low styrene residual polymer for food contact applications like BOPS

Salad containers, etc.

General Information			
Features	Food Contact Acceptable		
	High Clarity		
	Low Gel		
	Ultra High Molecular Weight		
Uses	Food Containers		
	Non-specific Food Applications		
Agency Ratings	EU No 10/2011		
	FDA 21 CFR 177.1640		
Forms	Pellets		
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)	1.7	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹ (3.20 mm, Injection Molded)	3380	MPa	ASTM D638
Tensile Strength ²			ASTM D638
Yield, 3.20 mm, Injection Molded	55.0	MPa	
Break, 3.20 mm, Injection Molded	55.0	MPa	
Tensile Elongation ³ (Yield, 3.20 mm, Injection Molded)	4.5	%	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	
23°C, 6.35 mm	16	J/m	

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	109	°C	ASTM D1525 ⁵
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
NOTE			
1.	5.0 mm/min		
2.	5.0 mm/min		
3.	5.0 mm/min		
4.	2.5 mm/min		
5.	Rate B (120°C/h)		

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