Valtra® MC3500

General Purpose Polystyrene

Saudi Polymers Company

Message:

Features Fast cycling & easy flow characteristics Excellent mold release properties. Typical Applications Toys Containers Instruments and home applications.

Features Fast Molding Cycle Food Contact Acceptable Good Flow Good Flow Good Mold Release Uses Containers Household Goods Toys Agency Ratings FDA 21 CFR 177.1640 Forms Pellets Physical Nominal Value Unit Specific Gravity 1.04 g/cm ³ ASTM D792 Met Mass-Flow Rate (MFR) (200°C/5.0 kg) 9.0 g/10 min ASTM D792 Met Mass-Flow Rate (MFR) (200°C/5.0 kg) 9.0 g/10 min ASTM D792 Met Mass-Flow Rate (MFR) (200°C/5.0 kg) 9.0 g/10 min ASTM D792 Met Mass-Flow Rate (MFR) (200°C/5.0 kg) 9.0 MPa ASTM D638 Tensile Modulus ¹ (3.20 mm, Injection Molded Nominal Value Unit Test Hethod Molder) 3.00 MPa Test D638 Test D638 Yield, 3.20 mm, Injection Molded 5.0 MPa ASTM D638 Flexural Modulus ⁴ (3.20 mm, Injection Molded 5.0 MPa ASTM D638 Flexural Modulus ⁴ (3.20 mm, Injection Molded 3.0 % ASTM D638 Flexural Modulus	General Information			
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Thermal Nominal Value Unit Test Method	23°C, 3.18 mm	19	J/m	
	23°C, 6.35 mm	13	J/m	
Vicat Softening Temperature 101 °C ASTM D1525 ⁵	Thermal	Nominal Value	Unit	Test Method
	Vicat Softening Temperature	101	°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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