

Valtra® EC6025

High Impact Polystyrene

Saudi Polymers Company

Message:

Features

Smooth and glossy surface

Good durability, high impact properties & good stiffness characteristics.

Typical Applications

Package for foods such as yogurt

Cosmetic packing, shower surrounds

thin wall injection molding and thermoforming.

General Information			
Features	Rigid, good		
	Gloss, Medium		
	Impact resistance, high		
	Durability		
	Compliance of Food Exposure		
Uses	Cosmetic Packaging		
	Food packaging		
	Bathroom accessories		
Agency Ratings	FDA 21 CFR 177.1640		
Forms	Particle		
Processing Method	Thermoforming		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹ (3.20 mm, Injection Molded)	2000	MPa	ASTM D638
Tensile Strength ²			ASTM D638
Yield, 3.20mm, injection molding	24.0	MPa	ASTM D638
Fracture, 3.20mm, injection molding	19.0	MPa	ASTM D638
Tensile Elongation ³ (Yield, 3.20 mm, Injection Molded)	65	%	ASTM D638
Flexural Modulus ⁴ (3.20 mm, Injection Molded)	2000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256

23°C, 3.18 mm	120	J/m	ASTM D256
23°C, 6.35 mm	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	99.0	°C	ASTM D1525 ⁵
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	50 mm/min		
4.	2.5 mm/min		
5.	标准 B (120°C/h)		

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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

