

TOTAL Polystyrene Crystal 524B

General Purpose Polystyrene

TOTAL Refining & Chemicals

Message:

TOTAL Petrochemicals 524B is general purpose crystal polystyrene targeted for gloss coextrusion cap applications. It is specially formulated to drastically reduce die buildup and die lines, and die maintenance..

General Information			
Features	General Purpose		
	High Gloss		
Uses	Blending		
	General Purpose		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1640		
	USP Class VI		
UL File Number	E55470		
Forms	Pellets		
Processing Method	Coextrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	9.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Moisture	< 0.10	%	
Heat Distortion - Annealed	93	°C	ASTM D648
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3030	MPa	ASTM D638
Tensile Strength	46.2	MPa	ASTM D638
Flexural Modulus	3100	MPa	ASTM D790
Flexural Strength	93.1	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	101	°C	ASTM D1525
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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