

TOTAL Polystyrene Crystal 536W

General Purpose Polystyrene

TOTAL Refining & Chemicals

Message:

Total Petrochemicals 536 is a high melt flow; high heat crystal polystyrene designed for fast cycle injection molding. It is also designed for high output, direct injection profile extrusion for foam applications.

General Information	
UL YellowCard	E55470-313254
Features	Fast Molding Cycle High Flow High Heat Resistance
Uses	Foam Profiles Simulated Wood Parts
Agency Ratings	EC 1907/2006 (REACH) FDA 21 CFR 177.1640 USP Class VI
UL File Number	E55470
Forms	Pellets
Processing Method	Foam Processing Profile Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	8.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Moisture	< 0.10	%	
Heat Distortion - Annealed	96	°C	ASTM D648
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2960	MPa	ASTM D638
Tensile Strength	44.8	MPa	ASTM D638
Flexural Modulus	2960	MPa	ASTM D790
Flexural Strength	80.7	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	104	°C	ASTM D1525
Flammability	Nominal Value		Test Method

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Recommended distributors for this material

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