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Polystyrene 567W

Technical Data Sheet
Polystyrene - Crystal
Produced in the United States

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

Description

Polystyrene 567W is a high melt strength, high melt flow, high heat crystal polystyrene designed for direct injection thick foam board applications. The combination of high melt strength and high melt flow make 567W a good choice for producing foam products blown with CO_2.

Application:

- Foam board
- Foam profile extrusion

General Information:

- This material complies with FDA requirements as described in 21 CFR §177.1640.
- Material Safety Data Sheets are available to help customers satisfy their safety needs.

Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow (200°C-5kg)	D-1238	g/10mn	8.5
Mechanical Properties			
Tensile Strength	D-638	psi	6,500
Tensile Modulus	D-638	psi (10^5)	4.3
Flexural Strength	D-790	psi	11,700
Flexural Modulus	D-790	psi (10^5)	4.3
Thermal Properties			
Heat Distortion - Annealed	D-648	°F	205
Vicat Softening	D-1525	°F	219
Other Physical Properties			
Density		g/cm^3	1.04
Linear Shrinkage	D-955	in/in	.004 - .007
Moisture		%	<0.1
Mineral oil content (target)		%	0.0
ZnSt content (target)		%	0.0