

Description

Polystyrene 585W: Is a high molecular weight, low melt flow, low melt flow, high heat crystal polystyrene. This polymer makes superior foam and oriented polystyrene sheet (OPS). The TOTAL process technology consistently produces low residual product for foam and OPS applications.

Application:

- Foam disposables
- Insulation foam board
- OPS disposables

General Information:

- This material complies with FDA requirements as described in 21 CFR §177.1640.
- This material holds Underwriters Laboratory recognition 94HB; see UL File E55470 at www.UL.com.
- USP Class VI
- 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	1.6
Mechanical Properties			
Tensile Strength	D-638	psi	7,600
Tensile Modulus	D-638	psi (10 ⁵)	4.3
Flexural Strength	D-790	psi	14,200
Flexural Modulus	D-790	psi (10 ⁵)	4.3
Thermal Properties			
Heat Distortion - Annealed	D-648	°F	211
Vicat Softening	D-1525	°F	225
Other Physical Properties			
Density		g/cm ³	1.04
Linear Shrinkage	D-955	in/in	.004 - .007
Moisture		%	<0.1