

Description

Polystyrene 935E: Is a super high impact polystyrene exhibiting exceptional toughness for sheet and thermoforming applications when high ductility is crucial.

Application:

- Cups, food packaging
- Custom sheet and coextrusion applications

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.
- 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	3.7
Mechanical Properties			
Falling Dart	D-3029	in-lb	140
Izod - notched	D-256	ft-lbs/in	2.5
Tensile Strength	D-638	psi	2,800
Tensile Modulus	D-638	psi (10 ⁵)	2.5
Elongation	D-638	%	60
Flexural Strength	D-790	psi	5,500
Flexural Modulus	D-790	psi (10 ⁵)	2.6
Thermal Properties			
Heat Distortion - Annealed	D-648	°F	196
Vicat Softening	D-1525	°F	208
Other Physical Properties			
Gloss	D-523	60°	80
Density		g/cm ³	1.04
Linear Shrinkage	D-955	in/in	.004 - .007
Moisture		%	<0.1