

Description

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

Application:

- High gloss coextrusion capping
- Blending crystal

General Information:

- This material complies with FDA requirements as described in 21 CFR §177.1640.
- This material holds Underwriters Laboratory recognition 94HB;
- 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	9.0
Mechanical Properties			
Tensile Strength	D-638	psi	6,700
Tensile Modulus	D-638	psi (10 ⁵)	4.4
Flexural Strength	D-790	psi	13,500
Flexural Modulus	D-790	psi (10 ⁵)	4.5
Thermal Properties			
Heat Distortion - Annealed	D-648	°F	200
Vicat Softening	D-1525	°F	213
Other Physical Properties			
Density		g/cm ³	1.04
Linear Shrinkage	D-955	in/in	.004 - .007
Moisture		%	<0.1

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Polystyrene



TOTAL PETROCHEMICALS & REFINING USA, INC.
 POLYMERS AMERICAS
www.totalrefiningchemicals.com
 1201 Louisiana Street
 Suite 1800
 Houston, TX 77002

TECHNICAL CENTER
 P.O. Box 1200
 Deer Park, Texas 77536
 Phone: 281-884-7500

1-800-344-3462

All tests were run under laboratory conditions. ASTM (where applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of TOTAL products must be guided by the users own methods for selection of proper formulation. TOTAL PETROCHEMICALS & REFINING USA, INC. disclaims any responsibility for misuse or miss application of its products. TOTAL MAKES NO WARRANTY OF MERCHANTABILITY AND THERE IS NO WARRANTY THAT GOODS SUPPLIED SHALL BE FIT FOR ANY PARTICULAR PURPOSE. TOTAL'S liability and customer's exclusive remedy for any claims arising out of sales of its products are expressed and limited at customer option to replacement of non-performing goods or payment not to exceed the purchase price plus transportation charges thereon in respect to any material which damage is claimed.

