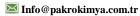


20 0212 659 26 03





Polystyrene 524B

Technical Data Sheet Polystyrene - Crystal **Produced in the United States**

TotalEnergies Petrochemicals & Refining USA, Inc. Polymers Americas 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; 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	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	.004007
Moisture		%	<0.1

Rev: Sept 2021

TOTALENERGIES PETROCHEMICALS & REFINING USA, INC. **POLYMERS AMERICAS** 1201 Louisiana Street Suite 1800 Houston, TX 77002 www.polymers.totalenergies.com

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

1-800-344-3462