

# TOTAL Polystyrene Crystal CX5197

General Purpose Polystyrene

TOTAL Refining & Chemicals

Message:

TOTAL Petrochemicals CX5197 is a medium melt flow crystal polystyrene developed for extrusion foam board (construction) and foam sheet (food containers).

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.

USP Class VI

General Information			
Features	Fast Molding Cycle		
	Low to No Odor		
	Low to No Taste		
	Medium Flow		
Uses	Foam		
Agency Ratings	FDA 21 CFR 177.1640		
	USP Class VI		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	5.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2960	MPa	ASTM D638
Tensile Strength	51.0	MPa	ASTM D638
Flexural Modulus	3100	MPa	ASTM D790
Flexural Strength	96.5	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Annealed)	97.8	°C	ASTM D648
Vicat Softening Temperature	106	°C	ASTM D1525

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: [sales@su-jiao.com](mailto:sales@su-jiao.com)

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

