

# TOTAL CX5232 Polystyrene

Improved High Flow Crystal Polystyrene

Total Petrochemicals CX5232 Polystyrene is a new high flow general-purpose crystal polystyrene (GPPS) designed to improve the requirements of high-speed injection molding and enhance the functionality of thin wall injection molded parts. CX5232 is designed for cutlery, tumbler and similar high-speed injection molding applications or extrusion capping and blending applications.

## Features

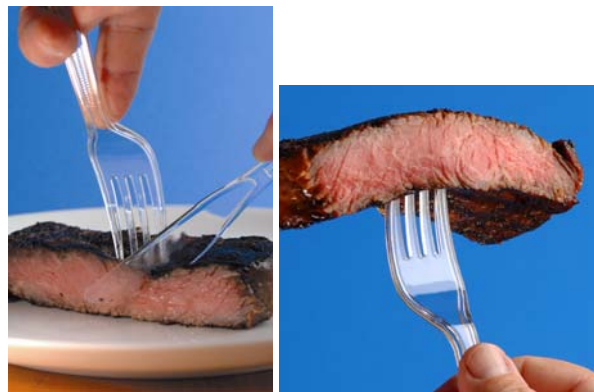
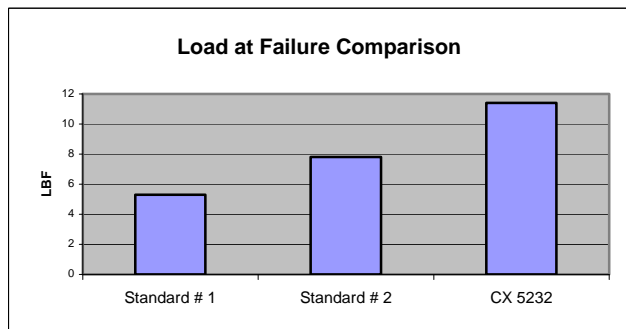
- Improved stiffness
- Superior clarity
- Higher thermal properties
- High melt flow

## Benefits

- Improved part strength and performance
- Enhanced part functionality
- Reduced cycle time
- Ease of processing and product switch

## Properties comparison

	Standard GPPS	CX5232
Melt flow, g/10 min	14.0	14.0
Flexural Strength, psi	11,000	12,200
Tensile Strength, psi	6,000	6,500
Vicat Temperature, ° F	200	206



CX5232 is a product of resin technology developed in TOTAL's Research and Technology Center and commercialized in the world's largest styrenics complex in Carville, Louisiana.

This technology development imparts a unique molecular architecture to CX5232, improves finished part stiffness and other physical properties, and allows the injection molder to reduce part weight.

CX5232 is an excellent drop-in for standard high flow GPPS resins and requires minimal changes to injection molding conditions. Improved start-ups are the norm.

- (1) This material complies with FDA requirements as described in CFR Section 177.1640
- (2) Underwriters Laboratory listing of HB94 pending.
- (3) Material Safety Data Sheets are available to help customers satisfy their safety needs.



TOTAL PETROCHEMICALS USA, INC.  
www.totalpetrochemicalsusa.com  
1201 Louisiana St., Ste 1800  
Houston, TX 77002

CUSTOMER SERVICE  
P.O. Box 674411  
Houston, Texas 77267-4411  
Phone: 1-800-344-3462  
Fax: 713-483-5293

TECHNICAL CENTER  
P.O. Box 1200  
Deer Park, Texas 77536  
Phone: 281-884-7500  
Fax: 281-884-7576

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 these products must be guided by the user's own methods for selection of proper formulation. TOTAL PETROCHEMICALS USA, INC. disclaims any responsibility for misuse or misapplication of its products. TOTAL PETROCHEMICALS USA, INC. MAKES NO WARRANTY OF MERCHANTABILITY AND THERE IS NO WARRANTY THAT GOODS SUPPLIED SHALL BE FIT FOR ANY PARTICULAR PURPOSE. TOTAL PETROCHEMICALS USA, INC. liability and customer's exclusive remedy for any claims arising out of sales of its products are expressly 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.