

# TOTAL Polystyrene CX5229

Enhanced Flow  
High Heat Crystal Polystyrene

**Total Petrochemicals Polystyrene CX5229** is an enhanced flow, high heat crystal (HHC) polystyrene designed to satisfy demanding requirements in **foam sheet extrusion, oriented polystyrene and blown film applications**, by providing improved flow characteristics without sacrificing the melt strength critical for these processes.

## Features

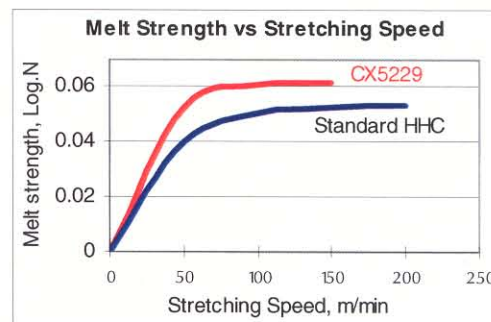
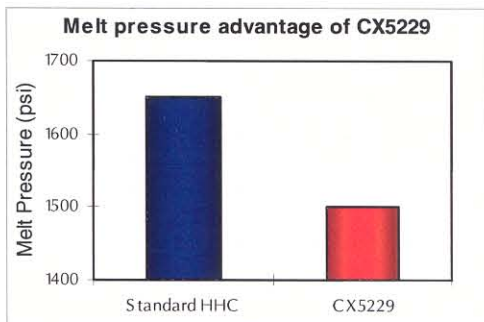
- Increased throughput, up to 15%
- Lower energy requirement
- Improved melt strength
- Higher compressive strength

## Benefits

- Lower per unit fixed cost, increased capacity
- Reduced energy cost
- Improved product performance
- Enhanced application development

## Properties comparison

	Standard HHC	CX5229
Melt flow, g/10 min	1.6	3.0
Molecular weight, kD	305	315
Molecular weight distribution	2.4	3.3
Melt Strength, N	0.055	0.060



The main benefit of **CX5229** is the **higher throughput** versus conventional materials. Optimized processing conditions may result in rate improvements as high as 10-15%.

**CX5229** offers higher melt flow and **increased melt strength** foam at high production rates.

**CX5229** may be processed with minimal changes in extrusion conditions. The lower viscosity allows **processing at lower temperatures**.

Studies show that **CX5229** will allow increased CO<sub>2</sub> solubility.

## Other Information

- (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.



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