HDPE M8960

High Density Polyethylene

StarResin

Overview

HDPE M8960 is a narrow molecular weight distribution high density homopolymer designed to offer excellent stiffness with a good balance of processability and cold temperature impact performance. This resin is ideally suited for articles requiring very high stiffness or enable down-gauging. This material offers excellent performance in structural foam articles

Applications

- Crates
- Shipping Containers
- Structural Foam
- Totes

Property	Value	Unit	ASTM
Melt index (condition 190°C/2.16 kg)	8	g/10 min	D 1238
Density (g/cm³)	0.960	g/cm³	D 792
Tensile Strength at Yield	4200	psi	D638
Elongation at Break	380	%	D638
Flexural Modulus	189000	psi	D790
ESCR, Condition B, F50	>10	hrs	D1693
Brittleness Temperature, F50	<- 105	°F	D746
Durometer Hardness, Shore D	70		D2240
Vicat Softening Temperature	261	°F	D1525

This resin complies with FDA 21 CFR 177.1520. For more information contact Product Regulatory Compliance.

This information, to our knowledge, is believed to be correct. The use of this product in its actual conditions are beyond our control and satisfactory results for this product is the customer's sole responsibility. User must make their own decisions regarding its suitability for their equipment and final products.