

# HDPE M8960U

## High Density Polyethylene



### Overview

HDPE M8960U 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 230°C/2.16 kg)	8	g/10 min	D 1238
Density (g/cm <sup>3</sup> )	0.960	g/cm <sup>3</sup>	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.