# HDPE M8960U

## High Density Polyethylene

StarResin

**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 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.