

# HDPE M7960

High Density Polyethylene



## Overview

HDPE M6952 has good stiffness, excellent impact strength, enhanced flow, and is recyclable.

## Applications

- Crates
- Shipping Containers
- Structural Foam
- Totes

| Property                             | Value   | Unit              | ASTM   |
|--------------------------------------|---------|-------------------|--------|
| Melt index (condition 230°C/2.16 kg) | 7       | g/10 min          | D 1238 |
| Density (g/cm <sup>3</sup> )         | 0.960   | g/cm <sup>3</sup> | D 792  |
| Flexural Modulus                     | 189,000 | psi               | D790   |
| Tensile Strength at Yield            | 4200    | psi               | D638   |
| Elongation at Break                  | 380     | %                 | D638   |
| ESCR, Condition B, F50               | >10     | hours             | D1693  |
| Brittleness Temperature, F50         | <- 105  | °F                | D746   |
| Durometer Hardness                   | 70      | Shore D           | D2240  |
| Vicat Softening Point                | 261     | °F                | D1525  |

Regulatory - This material complies with FDA regulations in 21 CFR, section 177.1520.