

HDPE 5502BN

General Information

Description

This high molecular weight, ethylene-hexane copolymer is designed for lightweight blow molded containers that require excellent stiffness, processability.

Applications

Household and industrial chemical containers, Food packaging

| Typical Properties | Test Method | Units | Result |
|---|-------------|-------------------|--------|
| Physical | | | |
| Melt Index (2.16kg @190°C) | ASTM D1238 | g/10min | 0.35 |
| Density | ASTM D1505 | g/cm ³ | 0.955 |
| Mechanical | | | |
| Tensile Strength | ASTM D638 | MPa | 27 |
| Elongation at Break | ASTM D638 | % | 600 |
| ESCR , condition B(100% Igepal), F50 | ASTM D1693 | hr | <30 |
| Brittleness Temperature | ASTM D746 | °C | <-75 |
| Thermal | | | |
| Vicat | ASTM D1525 | °C | 127 |

※ The physical properties were determined on compression molded specimens that were prepared in accordance with ASTM D4703

※ The nominal properties reported herein are typical of the product, but do not reflect normal testing variance and therefore should not be used for specification purpose.