

I. Stern & Co. Inc

Blow Molding HDPE

Product Data Sheet

HDPE IS-35955 – Blow Molding Grade

Features

- IS-35955 is designed for applications requiring excellent stiffness and stress crack resistance properties.
- Meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

Applications

- General purpose blow molding and sheet extrusion.

| <u>Property</u> | <u>Units</u> | <u>ASTM</u> | <u>Typical Value*</u> |
|--|--------------|-------------|-----------------------|
| Melt Index | g/10 min | D1238 | .35 |
| Density | lb/in | D1505 | .0345 |
| Environmental Stress Crack Resistance Condition B | | D1693 | 35 hours |
| Environmental Stress Crack Resistance Condition A | | D1693 | 45 hours |
| Tensile Yield | psi | D638 | 4000 |
| Elongation | % | D638 | 600% |
| Flexural Modulus | psi | D790 | 200ksi |
| Brittleness Temperature F | | D746 | Max-180°F |

*Typical Values based on injection molded specimens tested at 73F, unless otherwise stated. Additives may alter some or all of these properties. I. Stern has no control over the use to which others may put this material, it does not guarantee that the same results, as those described will be obtained. I. Stern & Co. does not guarantee the effectiveness or safety of any material for the design as well as the suitability of the material or designs of both for his own particular use. Statements concerning possible or suggested uses of the materials or designs described herein are not to be construed as recommendations for use of such materials or designs.