

Description

HDPE 7195: Medium molecular weight, narrow molecular weight distribution, designed for high speed orientation.

Applications: Monofilament, slit tape, woven and knitted fabrics, specialty films.

Characteristics

| | Method | Unit | Typical Value |
|---|-----------------------------------|-------------------|---------------|
| Rheological Properties⁽¹⁾ | | | |
| Melt Flow Index | D-1238 | g/10 min | |
| 190°C/2.16 kg | | | 0.55 |
| 190°C/5 kg | | | 1.9 |
| Mechanical Properties⁽¹⁾⁽²⁾ | | | |
| Tensile Strength @ Yield | D-638, Type IV specimen, 2 in/min | psi | 3200 |
| Elongation at Break | D-638, Type IV specimen, 2 in/min | % | >500 |
| Secant Modulus of Elasticity @ 2% strain | D-638, Type IV specimen, 2 in/min | psi | 100,000 |
| Flexural Modulus | D-790 | psi | 115,000 |
| Thermal Properties⁽¹⁾ | | | |
| Melting Point | D-3417 | °F | 257 |
| Other Physical Properties | | | |
| Density | D-792 | g/cm ³ | 0.946 |

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.

(2) The data listed was determined on compression molded specimens and may, therefore, deviate from molded and extruded specimens.

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