

Polymer-E F2200

Low Density Polyethylene
Asia Polymer Corporation (APC)

Message:

Polymer-E F2200 is a Low Density Polyethylene product. It can be processed by extrusion and is available in Asia Pacific. Applications of Polymer-E F2200 include film and hose/tubing. Primary characteristic: clarity.

| General Information | | | |
|--|-----------------|-------------------|-------------|
| Features | General Purpose | | |
| | High Clarity | | |
| Uses | Film | | |
| | Tubing | | |
| Appearance | Natural Color | | |
| Processing Method | Extrusion | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.922 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 2.3 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 52 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Coefficient of Friction | > 0.50 | | ASTM D1894 |
| Films | Nominal Value | Unit | Test Method |
| Secant Modulus | | | ASTM D882 |
| 1% Secant, MD | 181 | MPa | |
| 1% Secant, TD | 191 | MPa | |
| Tensile Strength | | | ASTM D882 |
| MD : Break | 24.5 | MPa | |
| TD : Break | 15.7 | MPa | |
| Tensile Elongation | | | ASTM D882 |
| MD : Break | 300 | % | |
| TD : Break | 510 | % | |
| Dart Drop Impact ¹ | 92 | g | ASTM D1709 |
| Elmendorf Tear Strength | | | ASTM D1922 |
| MD | 100000 | g | |
| TD | 64000 | g | |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 48.0 | °C | ASTM D648 |

| | | | |
|-------------------------------------|---------------|------|-------------|
| Brittleness Temperature | < -70.0 | °C | ASTM D746 |
| Vicat Softening Temperature | 96.0 | °C | ASTM D1525 |
| Optical | Nominal Value | Unit | Test Method |
| Gardner Gloss (31.8 μm, Blown Film) | 122 | | ASTM D523 |
| Haze (31.8 μm, Blown Film) | 4.6 | % | ASTM D1003 |
| NOTE | | | |
| 1. | 50% F | | |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT