

Eltex® PF1320AZ

Metallocene Linear Low Density Polyethylene

INEOS Olefins & Polymers Europe

Message:

Additive free C6 m-LLDPE for extrusion coating, injection moulding and compounding.

Benefits & Features

outstanding ESCR performance

improved sealing performance

improved mechanical properties

Applications

For extrusion coating:

extrusion coating polymer for high demand on sealing and mechanical performance

For injection moulding and compounding:

absence of any kind of additive allowing tailor formulation of specific compounds and master-batches

| General Information | | | |
|---|--|-------------------|-----------------|
| Features | Low density | | |
| | High ESCR (Stress Cracking Resistance) | | |
| | No additive | | |
| Uses | Composite | | |
| | Masterbatch | | |
| | Coating application | | |
| RoHS Compliance | Contact manufacturer | | |
| Forms | Particle | | |
| Processing Method | Composite | | |
| | Extrusion coating | | |
| | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density (23°C) | 0.913 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 20 | g/10 min | ISO 1133 |
| Environmental Stress-Cracking Resistance (Compression Molded) | 29.0 | hr | Internal method |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D, Compression Molded) | 46 | | ISO 868 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus (Compression Molded) | 225 | MPa | ISO 527-2 |
| Tensile Stress (Yield, 23°C, Compression Molded) | 8.00 | MPa | ISO 527-2 |
| Tensile Strain | | | ISO 527-2 |

| | | | |
|---|---------------|-------------------|-----------------|
| Yield, molding | 18 | % | ISO 527-2 |
| Fracture, molding | > 600 | % | ISO 527-2 |
| Flexural Modulus (23°C, Compression Molded) | 260 | MPa | ISO 178 |
| Tensile fracture strength-Compression Molded | No Break | | ISO 527-2 |
| Heat of Fusion | 101 | J/g | ASTM D3418 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (-20°C, Compression Molded) | 70 | kJ/m ² | ISO 180/A |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | 88.0 | °C | ISO 306/A50 |
| Melting Temperature ¹ | 96.0 - 114 | °C | ISO 11357-3 |
| Peak Crystallization Temperature | 82 - 101 | °C | Internal method |
| Injection | Nominal Value | Unit | |
| Processing (Melt) Temp | < 280 | °C | |
| Extrusion | Nominal Value | Unit | |
| Melt Temperature | < 280 | °C | |
| NOTE | | | |

1. DSC 2nd heating 10°C/min

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