

PRODUCT DESCRIPTION

PE HD14380 FE is a high molecular weight, medium-density hexene copolymer with a broad molecular weight distribution, giving excellent mechanical properties, improved optical performance and ensuring outstanding processability. Films produced from this resin show excellent balance of toughness, impact strength and tear resistance.

TYPICAL APPLICATIONS

PE HD14380 FE can be used as a blending agent or in a wide variety of blown film applications such as general purpose thin film, trash bags and merchant bags.

| Properties | Conditions | Method | Typical values* | Units |
|--|----------------|------------|-----------------|-------------------|
| Resin properties | | | | |
| Melt Flow Rate | 190 °C/21.6 kg | ISO 1133-1 | 14 | g/10 min |
| Density | | ISO 1183 | 0.938 | g/cm ³ |
| Properties measured on 15 µm film** | | | | |
| Tensile Strength at Break | MD/TD | ASTM D882 | 53/43 | MPa |
| Tensile Stress at Yield | MD/TD | ASTM D882 | 21/23 | MPa |
| Elongation at Break | MD/TD | ASTM D882 | 500/660 | % |
| Dart Drop Impact Strength | | ASTM D1709 | 200 | g |
| Tear Strength | MD/TD | ASTM D1922 | 30/350 | g/25 µm |

*The values given are typical values measured on the product. These values should not be considered as specification.

**Properties are measured on 15 µm gauge films with a blow up ratio of 5 and a neck height of 8D.

REACH Statement

Polymers are exempt of REACH registration. However, their raw materials which mean monomers and relevant additives have been registered.

PJSC «Sibur Holding» (and its subsidiaries) is committed to fully respect REACH legislation and to use only REACH compliant raw materials.

Safety

See MSDS

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