

Braskem PE HF2007

Linear Low Density Polyethylene

Braskem

Message:

HF2007 is a Linear Low Density Polyethylene, 1-hexene copolymer, produced by gas phase process. Developed for blown film extrusion. Films obtained with this product show high impact and puncture resistance. It contains processing aid and antioxidant additives.

Applications:

Stretch film; high COF film and LDPE blends.

Process:

HF2007 must be processed in blown extruder, adjusted to this polymer. The excellent conditions of processing in accordance with the type of used equipment, but the best results are gotten with 180 to 210°C extrusion temperature.

| General Information | | | |
|---|------------------------|-------------------|-------------|
| Additive | Antioxidant | | |
| | Processing Aid | | |
| Features | Antioxidant | | |
| | Copolymer | | |
| | High Impact Resistance | | |
| | Low Density | | |
| | Puncture Resistant | | |
| Uses | Film | | |
| Agency Ratings | FDA 21 CFR 177.1520 | | |
| Processing Method | Blown Film | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.920 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 0.73 | g/10 min | ASTM D1238 |
| Films | Nominal Value | Unit | Test Method |
| Tensile Strength | | | ASTM D882 |
| MD : Break, 25 µm | 47.0 | MPa | |
| TD : Break, 25 µm | 35.0 | MPa | |
| Tensile Elongation | | | ASTM D882 |
| MD : Break, 25 µm | 990 | % | |
| TD : Break, 25 µm | 1300 | % | |
| Optical | Nominal Value | Unit | Test Method |
| Gloss (45°, 130 µm) | 65 | | ASTM D2457 |
| Haze | 24 | % | ASTM D1003 |

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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



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