

Braskem PE HD3000N

High Density Polyethylene

Braskem IDESA

Message:

HD3000N is a High Density Polyethylene, ideal for cast film extrusion. It offers high processability, stiffness and good impact resistance.

Applications:

Cast film extrusion for diapers; hygienic absorbers and other specialties.

Additives:

It contains fenol free antioxidant additive.

Process:

Cast film extrusion.

| General Information | | | |
|---|-------------------------|-------------------|-------------|
| Additive | Antioxidation | | |
| Features | Rigidity, high | | |
| | Antioxidation | | |
| | Impact resistance, good | | |
| | Workability, good | | |
| Uses | Hygiene | | |
| | Films | | |
| | cast film | | |
| Agency Ratings | FDA 21 CFR 177.1520 | | |
| Processing Method | cast film | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.960 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 7.3 | g/10 min | ASTM D1238 |
| Films | Nominal Value | Unit | Test Method |
| Tensile Strength | | | ASTM D882 |
| MD: Broken, 25 µm, blown film | 25.0 | MPa | ASTM D882 |
| TD: Broken, 25 µm, blown film | 20.0 | MPa | ASTM D882 |
| Tensile Elongation | | | ASTM D882 |
| MD: Broken, 25 µm, blown film | 770 | % | ASTM D882 |
| TD: Broken, 25 µm, blown film | 380 | % | ASTM D882 |
| Flexural Modulus | | | ASTM D790 |
| 1% Secant, MD : 25 µm, Blown Film | 710 | MPa | ASTM D790 |
| 1% Secant, TD : 25 µm, Blown Film | 790 | MPa | ASTM D790 |
| Elmendorf Tear Strength | | | ASTM D1922 |
| MD: 25 µm, blown film | 5.0 | g | ASTM D1922 |
| TD: 25 µm, blown film | 10 | g | ASTM D1922 |

| Optical | Nominal Value | Unit | Test Method |
|----------------------------------|---------------|------|-------------|
| Gloss (60°, 25.0 µm, Blown Film) | 52 | | ASTM D2457 |
| Haze (25.0 µm, Blown Film) | 47 | % | ASTM D1003 |

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