

TECHNICAL DATASHEET

HP0322N



PRODUCT DESCRIPTION

HP0322N is Low Density Polyethylene grade suitable for producing heavy-duty films and does not contain slip and antiblock additives. It gives outstanding toughness and optical properties in the film.

TRPICAL APPLICATION

HP0322N can be used for Heavy-duty bags, industrial shrink films, construction and agricultural films..

TYPICAL DATA

| RESIN PROPERTIES | UNIT | VALUE ⁽¹⁾ | ASTM TEST METHOD |
|---|------------------------|-----------------------------|-------------------------|
| Melt Flow Rate @ 190°C & 2.16 kg load | g/10 min. | 0.33 | D 1238 |
| Density @ 23°C | kg/m ³ | 922 | D 1505 |
| MECHANICAL PROPERTIES ⁽²⁾ | | | |
| Tensile Strength @ break, MD TD | MPa | 31 30 | D 882 |
| Tensile Elongation @ break, MD TD | % | 450 690 | D 882 |
| Tensile Strength @ yield, MD TD | MPa | 11 10 | D 882 |
| 1% Secant Modulus, MD TD | MPa | 190 210 | D 882 |
| Dart Impact Strength | g/ micron | 4 | D 1709 |
| Tear Resistance, MD TD | g/ micron g/ micron | 8 6 | D 1922 |
| OPTICAL PROPERTIES ⁽²⁾ | | | |
| Haze | % | 11 | D 1003 |
| Gloss @ 45° | - | 50 | D 2457 |
| THERMAL PROPERTIES | | | |
| Vicat Softening Point | °C | 95 | D 1525 |