



TECHNICAL DATASHEET

HP4023W

PRODUCT DESCRIPTION

HP4023W is Low Density Polyethylene grade suitable for producing general-purpose films and contains slip and antiblock additives. It gives excellent processability and optical properties with good mechanical properties.

TRPICAL APPLICATION

HP4023W can be used for high clarity laundry bags, textile wrapping films, produce bags, zip lock bags.

TYPICAL DATA

| PROPERTIES | Unit | Value(1) | Test Method |
|---------------------------------------|-------------------|----------|-------------|
| Melt Flow Rate @ 190°C & 2.16 kg load | g/10 min. | 4.0 | D 1238 |
| Density @ 23°C | kg/m ³ | 923 | D 1505 |
| MECHANICAL PROPERTIES(2) | | | |
| Tensile Strength @ break, MD | MPa | 18 | D 882 |
| TD | | 15 | |
| Tensile Elongation @ break, MD | % | 270 | D 882 |
| TD | | 540 | |
| Tensile Strength @ yield, MD | MPa | 7 | D 882 |
| TD | | 7 | |
| 1% Secant Modulus, MD | MPa | 60 | D 882 |
| TD | | 170 | |
| Dart Impact Strength | g/micron | 2 | D 1709 |
| Tear Resistance MD | g/micron | 5 | D 1922 |
| | g/micron | 4 | D1004 |
| OPTICAL PROPERTIES(2) | | | |
| Haze | % | 7 | D 1003 |
| Gloss @ 45° | - | 75 | D 2457 |
| Thermal Properties | | | |
| Vicat Softening Point | °C | 91 | D 1525 |