



LDPE 1800 S

Product Description:

Typical application include caps & closures, engineering parts and lesiure & sports equipment.

Applications:

- Caps & Closures, Sports Leisure and Toys

Processing Method:

- Injection Moulding

Features:

- Fast Cycle(Production), Low Density, Good Flexibility, Good Processability

Producer:

- Amir Kabir Petrochemical Company

Properties:

| No | Property | Value | Units | Test Method |
|----|---|-------|-------------------|---------------|
| 1 | Density | 0.917 | g/cm ³ | ISO 1183 |
| 2 | Melt flow rate (MFR)(190°C/2.16Kg) | 20.0 | g/10 min | ISO 1133 |
| 3 | Tensile Modulus | 150 | MPa | ISO 527-1, -2 |
| 4 | Tensile Stress at Yield | 8.0 | MPa | ISO 527-1, -2 |
| 5 | Tensile Strength MD/TD | | MPa | ISO 527-1, -3 |
| 6 | Tensile Strain at Break MD/TD | | % | ISO 527-1, -3 |
| 7 | Dart Drop Impact(50 blown film) | | g | ASTM D 1709 |
| 8 | Vicat softening temp(A50 (50 °C/h 10N)) | 80 | °C | ISO 306 |
| 9 | Haze (50) | | % | ASTM D 1003 |
| 10 | Gloss (60 °,50) | | | ASTM D 2457 |