

LDPE 2420E02 Technical Datasheet

1) Product Description:

LDPE 2420E02 is a low density density polyethylene. It is a homo polymer with high clarity suitable for usage in cast, fine shrink and high clarity films.

2) Applications:

- General purpose
- Cast films
- Fine shrink films
- High clarity films

3) Typical data:

| Property | Test method | Unit | value |
|--------------------------------|-------------|----------|-------------|
| Density | ISO 1183(A) | gr/ml | 0.923±0.002 |
| Melt Flow index (190°C/2.16kg) | ISO 1133 | gr/10min | 1.9±0.02 |
| Impact Strength (23°C) | ASTM D 4272 | kJ/m | 26 |
| Tear Strength TD | ISO 6383-2 | kN/m | 25 |
| Tear Strength MD | ISO 6383-2 | kN/m | 60 |
| Tensile test Yield Stress TD | ISO R527-1 | MPa | 11 |
| Tensile test Yield Stress MD | - | MPa | 12 |
| Strain at break TD | ISO 527 | % | >500 |
| Strain at break MD | ISO 527 | % | >200 |
| Yield stress (TD) | ISO 527 | MPa | 11 |
| Yield stress (MD) | ISO 527 | MPa | 13 |
| Coefficient of friction | ASTM D1894 | - | 1 |
| HAZE | ASTM 1003A | % | ≤6.5 |
| Gloss | ASTM D2457 | % | 55 |
| Dart drop impact | ASTM 1709 | g | >120 |
| Fish eye | Internal | No./m2 | ≤3 |

* Typical values not to be construed as specifications.