

KGT 344 is a high molecular weight, low density polyethylene for producing heavy-duty packaging films for applications like shrink hoods. It has been manufactured under SABTEC licensed technology.

Applications

- Blown film extrusion
- Heavy duty packaging film
- Shrink hoods
- Industrial sacks
- Carrier bag and liners

Additives

- Antioxidant: Yes
- Anti-block: No
- Slip Agent: No

| Resin properties | Typical Value | Unit | Test Method |
|-------------------------------|---------------|-------------------|---------------|
| Physical | | | |
| Melt Flow Rate (190°C/2.16Kg) | 0.3 | dg/min | ISO 1133 |
| Density | 921 | Kg/m ³ | ISO 1183 |
| Mechanical | | | |
| Impact Strength | 31 | kJ/m | ASTM D4272 |
| Tear Strength (TD) | 45 | kN/m | ISO 6383-2 |
| Tear Strength (MD) | 20 | kN/m | ISO 6383-2 |
| Yield Stress (TD) | 10 | MPa | ISO 527-1,3 |
| Yield Stress (MD) | 11 | MPa | ISO 527-1,3 |
| Tensile Stress at Break (TD) | 24 | MPa | ISO 527-1,3 |
| Tensile Stress at Break (MD) | 22 | MPa | ISO 527-1,3 |
| Strain at Break (TD) | > 500 | % | ISO 527-1,3 |
| Strain at Break (MD) | > 350 | % | ISO 527-1,3 |
| Modulus of Elasticity (TD) | 150 | MPa | ISO 527-1,3 |
| Modulus of Elasticity (MD) | 140 | MPa | ISO 527-1,3 |
| Coefficient of Friction | 0.7 | g | ASTM D1894 |
| Blocking | < 5 | g | ASTM D3354 |
| Re-blocking | 20 | ----- | SABTEC method |
| Optical | | | |
| Haze | 12 | % | ASTM D1003 A |
| Gloss (45°) | 55 | GU | ASTM D2457 |
| Clarity | 50 | mV | SABTEC method |