

Sanren Q280 (1st-grade)

Low Density Polyethylene

SINOPEC Shanghai Petrochemical Co. Ltd.

Message:

The oblate pellet product is colourless with excellent chemical stability. Under the normal conditions, the product is acid resistant, alkali resistant and salt resistant. It possesses certain mechanical properties and light transmittance.

Scope of Application: light-duty film, Laminated film and small size injection mouldings.

| General Information | | | |
|---|--------------------------|-------------------|-----------------|
| Features | Low density | | |
| | Homopolymer | | |
| | alkali resistance | | |
| | acid resistance | | |
| Uses | Films | | |
| | Laminate | | |
| Appearance | Colorless | | |
| Forms | Particle | | |
| Processing Method | Blow molding | | |
| | Extrusion | | |
| | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.925 | g/cm ³ | Internal method |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 2.4 - 3.2 | g/10 min | Internal method |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | > 11.0 | MPa | Internal method |
| Tensile Elongation (Break) | > 550 | % | Internal method |
| Optical | Nominal Value | Unit | Test Method |
| Haze | < 11 | % | Internal method |
| Additional Information | Nominal Value | Unit | |
| Blocking | 0.0300 | MPa | |
| Fish Eye | | | |
| 0.300 to 2.00mm | pcs/1200 cm ² | | |
| Linking: 0.500 to 2.00mm | pcs/20 cm ² | | |
| Hue | | | |
| Impurities (> 100.0 μm) | pcs/100 g | | |
| Streaks | B | | |
| Cleanliness: <15 pieces/kg | | | |

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