

Sanren F500EPS (Premium-grade)

Polypropylene Random Copolymer

SINOPEC Shanghai Petrochemical Co. Ltd.

Message:

The pellet product is colourless and in the shape of a cylinder with high light transmittance, good slip performance, good mechanical performance and printability, stress-fracture resistant, excellent chemical stability, as well as relative low heat-sealing temperature.

Scope of Application: BOPP film

| General Information | | | |
|---|--|--------------------------|-----------------|
| Features | High Light Transmission | | |
| | Low temperature heat sealability | | |
| | High ESCR (Stress Cracking Resistance) | | |
| | Excellent printability | | |
| | Random copolymer | | |
| Uses | Bi-axially Oriented Film | | |
| Appearance | Colorless | | |
| Forms | Particle | | |
| Processing Method | Extrusion | | |
| Physical | Nominal Value | Unit | Test Method |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 4.4 - 5.6 | g/10 min | Internal method |
| Chlorine Content | | % | |
| Ash Content | | % | |
| Fish Eye | | | |
| 400.0 µm | 0.00 - 10.0 | pcs/1520 cm ² | |
| 800.0 µm | 0.00 - 1.00 | pcs/1520 cm ² | |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | > 22.0 | MPa | ASTM D638 |
| Flexural Modulus | > 490 | MPa | Internal method |
| Impact | Nominal Value | Unit | Test Method |
| Unnotched Izod Impact (23°C) | > 59 | J/m | Internal method |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | > 118 | °C | Internal method |
| Optical | Nominal Value | Unit | Test Method |
| Gloss | > 85 | | Internal method |
| Haze | < 1.8 | % | Internal method |
| Yellowness Index | < 4.0 | YI | Internal method |
| Additional Information | Nominal Value | Unit | |

Cleanliness: 0-5 pieces/kg

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