

SUPREME PP SPEXP64

Polypropylene
Supreme Petrochem Ltd.

Message:

Characteristics:

- High gloss grade
- Improved scratch resistance
- Easy processing
- Good stiffness

Applications:

Various appliance part like washing maching panel, air cooler

| General Information | | | |
|---|----------------------|-------------------|-------------------------|
| Features | Good Processability | | |
| | Good Stiffness | | |
| | High Gloss | | |
| | Scratch Resistant | | |
| Uses | Appliance Components | | |
| Forms | Pellets | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.13 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 22 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ (23°C, 3.20 mm, Injection Molded) | 23.0 | MPa | ASTM D638 |
| Tensile Elongation ² (Break, 23°C, 3.20 mm, Injection Molded) | 43 | % | ASTM D638 |
| Flexural Modulus (23°C, 3.20 mm, Injection Molded) | 1290 | MPa | ASTM D790 |
| Flexural Strength (23°C, 3.20 mm, Injection Molded) | 36.0 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C, 3.20 mm, Injection Molded) | 33 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed, Injection Molded) | 60.0 | °C | ASTM D648 |
| Vicat Softening Temperature | 76.0 | °C | ASTM D1525 ³ |
| Flammability | Nominal Value | Test Method | |
| Flame Rating (1.60 mm) | HB | UL 94 | |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 80.0 to 100 | °C | |

| | | |
|------------------------|------------------------------------|------|
| Drying Time | 2.0 to 4.0 | hr |
| Processing (Melt) Temp | 180 to 260 | °C |
| Mold Temperature | 40.0 to 60.0 | °C |
| Extrusion | Nominal Value | Unit |
| Drying Temperature | 80.0 to 100 | °C |
| Drying Time | 2.0 to 4.0 | hr |
| Melt Temperature | 180 to 260 | °C |
| NOTE | | |
| 1. | 50 mm/min | |
| 2. | 50 mm/min | |
| 3. | Rate B (120°C/h), Loading 2 (50 N) | |

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