

SEETEC PP H7511

Polypropylene Homopolymer
LG Chem Ltd.

Message:

Application
High tenacity yarn, Geotextiles, Water filters

Description
SÉETEC H7511 is designed for the extrusion of staple fibers. This grade is characterized by high tenacity from narrow molecular weight distribution(MWD) and UV stability, with anti-gas fading stabilization.

| General Information | | | |
|--|--------------------------------------|-------------------|-------------------------|
| Features | Good UV Resistance | | |
| | Narrow Molecular Weight Distribution | | |
| Uses | Yarn | | |
| Agency Ratings | FDA 21 CFR 177.1520 | | |
| Processing Method | Extrusion | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.900 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 13 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 105 | | ASTM D785 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ (Yield) | 34.3 | MPa | ASTM D638 |
| Tensile Elongation ² (Break) | > 500 | % | ASTM D638 |
| Flexural Modulus ³ | 1600 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 29 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 110 | °C | ASTM D648 |
| Vicat Softening Temperature | 151 | °C | ASTM D1525 ⁴ |
| NOTE | | | |
| 1. | 50 mm/min | | |
| 2. | 50 mm/min | | |
| 3. | 28 mm/min | | |
| 4. | Loading 1 (10 N) | | |

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