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| Grade | H4540 |
| Product | Homo PP |

General Information

Key Features H4540 is the polypropylene homopolymer manufactured by the Spheripol process. This grade is designed to potential end use applications include high slip

Applications Clothes packaging, food packaging

| Item | Measuring Method | Unit | Value |
|---|------------------|---------------------|--------|
| Physical | | | |
| Melt Flow Index | ASTM D1238 | g/10min | 12.0 |
| Density | ASTM D792 | g/cm ³ | 0.9 |
| Mechanical | | | |
| Tensile Stress (Yield) | ASTM D638 | kgf/cm ² | 350 |
| Tensile Strain (Break) | ASTM D638 | % | >500 |
| Flexural Modulus | ASTM D790 | kgf/cm ² | 16,000 |
| Impact | | | |
| Notched Izod Impact Strength (23°C) | ASTM D256 | kgf·cm/cm | 2.5 |
| Rockwell Hardness | ASTM D785 | R | 100 |
| Thermal | | | |
| Melting Point | ASTM D3418 | °C | 162 |
| Heat Deflection Temperature (4.6kgf/cm ²) | ASTM D648 | °C | 104 |

1. Physical Properties : these are not to be construed as specifications

* The last update date : 2021/10/01

DATASHEET
ISO Property



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Applications Clothes packaging, food packaging

| Item | Measuring Method | Unit | Value |
|---|------------------|---------------------|--------|
| Physical | | | |
| Melt Flow Index | ISO 1133 | g/10min | 12.0 |
| Density | ISO 1183 | g/cm ³ | 0.9 |
| Mechanical | | | |
| Tensile Stress (Yield) | ISO 527-1 | kgf/cm ² | 330 |
| Tensile Strain (Break) | ISO 527-1 | % | >500 |
| Flexural Modulus | ISO 178 | kgf/cm ² | 15,500 |
| Impact | | | |
| Izod Impact Strength(notched) (23°C) | ISO 180 | kgf·cm/cm | 4.3 |
| Rockwell Hardness | ISO 180 | R | 101 |
| Thermal | | | |
| Melting Point | LC Method | °C | 162 |
| Heat Deflection Temperature (4.6kgf/cm ²) | ISO 306 | °C | 77 |

1. Physical Properties : these are not to be construed as specifications
2. ISO 9001, 14001, /TS 16949

* The last update date : 2021/10/01