



Moplen HP652P

Polypropylene, Homopolymer

Product Description

Moplen HP652P is a polypropylene homopolymer manufactured using the Spheripol process. With its excellent spinnability and drawability, it is particularly suitable for heavy denier BCF and CF multi-filament. Potential end use applications include carpet, automobile interiors and industrial products. Moplen HP652P can be evaluated for applications that require Anti-Gas Fading.

Product Characteristics

| | |
|--------------------------------------|--|
| Status | Commercial: Active |
| Test Method used | ASTM |
| Availability | Asia-Pacific, Australia/NZ, Africa-Middle East |
| Processing Methods | Continuous Filament/Spinning |
| Features | Gas-fading Resistant, Homopolymer |
| Typical Customer Applications | Filament Yarn |

| Typical Properties | Method | Value | Unit |
|---|-------------|-------|--------------------|
| Physical | | | |
| Melt Flow Rate (230°C/2.16kg) <i>Note: ASTM D1238L</i> | ASTM D 1238 | 17 | g/10 min |
| Density | ASTM D 1505 | 0.9 | g/cm ³ |
| Mechanical | | | |
| Flexural Modulus | ASTM D 790 | 16000 | kg/cm ² |
| Tensile Strength @ Yield | ASTM D 638 | 380 | kg/cm ² |
| Tensile Elongation @ Yield | ASTM D 638 | 10 | % |
| Impact | | | |
| Notched Izod Impact (23 %) | ASTM D 256 | 3 | kg-cm/cm |
| Hardness | | | |
| Rockwell Hardness (R Scale) | ASTM D 785 | 105 | |
| Thermal | | | |
| Heat deflection temperature at 0.46 N/mm ² | ASTM D 648 | 106 | °C |

Notes

Typical properties; not to be construed as specifications.