



Moplen HP653P

Polypropylene, Homopolymer

Product Description

Moplen HP653P 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. This grade also exhibits better interlacing properties. 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 Method	Continuous Filament/Spinning
Features	Gas-fading Resistant, Homopolymer, Soft, Good Colorability
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		
Tensile Strength @ Yield	ASTM D 638	380 kg/cm ²
Flexural Modulus	ASTM D 790	16000 kg/cm ²
Tensile Elongation @ Yld	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.

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- 1 Equistar Chemicals, LP
- 1 Basell Sales & Marketing Company B.V.
- 1 Basell Asia Pacific Limited
- 1 Basell International Trading FZE
- 1 LyondellBasell Australia Pty Ltd

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Users should review the applicable Material Safety Data Sheet before handling the product.

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