



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 Methods	Continuous Filament/Spinning
Features	Good Colorability, Gas-fading Resistant, Homopolymer, Soft
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.