



Moplen HP450J

Polypropylene, Homopolymer

Product Description

Moplen HP450J is a polypropylene homopolymer manufactured using the Spheripol process. Potential end use applications include yarn, tape, sheet and monofilament.

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Methods	Blown Film, Extrusion Pipe Sheet and Semi Finished Products, Tapes & Raffia
Features	Homopolymer, Good Processability, Good Strength, Good Stretchability
Typical Customer Applications	Filament Yarn, Raffia/Tapes/Strapping, Stationery Film

Typical Properties	Method	Value	Unit
Physical			
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	3.25	g/10 min
Note: ASTM D1238L			
Density	ASTM D 1505	0.9	g/cm ³
Mechanical			
Flexural Modulus	ASTM D 790	15500	kg/cm ²
Tensile Strength @ Yield	ASTM D 638	370	kg/cm ²
Tensile Elongation @ Yield	ASTM D 638	11	%
Impact			
Notched Izod Impact (23 °C)	ASTM D 256	4	kg-cm/cm
Hardness			
Rockwell Hardness (R Scale)	ASTM D 785	110	
Thermal			
Heat deflection temperature at 0.46 N/mm ²	ASTM D 648	104	°C

Notes

Typical properties; not to be construed as specifications.