



Moplen HP521M

Polypropylene, Homopolymer

Product Description

Moplen HP521M is a polypropylene homopolymer manufactured using the Spheripol process. Potential applications include general purpose and metallizable cast film, as well as food and clothes packaging.

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Methods	Cast Film
Features	Homopolymer, Good Processability, Good Stiffness
Typical Customer Applications	Food Packaging Film, Lamination Film, Textile Packaging Film

Typical Properties	Method	Value	Unit
Physical			
Melt Flow Rate (230°C/2.16kg) <i>Note: ASTM D1238L</i>	ASTM D 1238	8	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	360	kg/cm ²
Tensile Elongation @ Yield	ASTM D 638	12	%
Impact			
Notched Izod Impact (23 °C)	ASTM D 256	3	kg-cm/cm
Hardness			
Rockwell Hardness (R Scale)	ASTM D 785	100	
Thermal			
Vicat softening point	ASTM D 1525	155	°C
Heat deflection temperature at 0.46 N/mm ²	ASTM D 648	110	°C

Notes

Typical properties; not to be construed as specifications.