

Technical Datasheet

- **Grade Name:** Moplen HP510L HOMOPOLYMER
- **Categories:** Polymer, Thermoplastic, Polypropylene, Polypropylene Homopolymer
- **Processing Methods:** Extrusion (Sheet, Film yarn, Monofilament), Cast film
- **Applications:** Sheet, Fibers, Film, Light-Duty Films, Thermoforming Sheet, Film Yarn, Rope and Twine, Monofilament, Brush Fibers
- **Features:** Good Processability, Good mechanical properties

Physical Properties			
Properties	Value	Unit	Test Method
MFI(230 °C/2.16 Kg)	6	g/10min	ISO 1133
Density	0.9	g/cm ³	ISO 1183
Mechanical Properties			
Properties	Value	Unit	Test Method
Flexural Modulus	1500	MPa	ASTM D790
Izod Impact Strength, Notched	40	J/m	ASTM D256
Tensile Elongation at Yield	12	%	ASTM D638
Tensile Strength at Yield	35	MPa	ASTM D638
Hardness Shore D	100	R Scale	ASTM D785
Thermal Properties			
Properties	Value	Unit	Test Method
H. D. T. (0.46 MPa)	94	°C	ASTM D648
Accelerated Oven Aging (150 °C, Air)	360	Hours	ASTM D3012
Vicat Softening Point (9.8 N)	154	°C	ASTM D790

Typical Properties: These values are not to be considered as product specifications.

