

Technical Datasheet Moplen HP500N

1) Product Description:

Moplen HP500N is a medium-high fluidity polypropylene homo-polymer. Moplen HP500N is particularly suitable for the production of heavy denier staple fibre & continuous filament. Moplen HP500N exhibits good process stability & constant, high flow during extrusion.

2) Applications:

Moplen HP500N is developed for the extrusion of staple fibres for spinning wool system fibres for carpets, rugs & garments such as overalls & socks.

Moplen HP500N is also suited for the production of continuous filament for ropes, belts & straps. Another typical application of Moplen HP500N is the extrusion of decorative ribbons.

3) Typical data:

Property	Test method	Unit	Value*
Melt Flow Rate (230°C/2.16kg)	ASTM D1238/L	gr/10 min	12
Flexural Modulus	ASTM D790	MPa	1400
Notched Izod Impact@23°C	ASTM D256	J/m	20
Tensile Strength @Yield	ASTM D638	MPa	34
Elongation @Yield	ASTM D638	%	12
Vicat Softening Point,10N	ASTM D1525	°C	154
HDT(0.46N/mm ²)	ASTM D648	°C	95
Rockwell Hardness	ASTM D785	R.Scale	102
Oven Aging@150°C	ASTM D3012	Hours	360

* Typical values not to be construed as specifications.