



Arak Petrochemical Company



ISO 9001:2000

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**Address:**

No. 3, Taban St.  
Vali-e-Asr Ave.  
Tehran - IRAN

**Tel:**

(+98 21)82122700

**Fax:**

(+98 21)8867 4126-27

**Web-site:**

www.arpc.ir

**E-mail:**

Sales@arpc-ir.net

## Polypropylene Moplen HP500N (Fibre)

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

➤ Values shown are averages & are not to be considered as product specifications.

### ❖ Main application & Characteristics:

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.

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.

\* Moplen HP500N is suitable for food contact.