



Arak Petrochemical Company



ISO 9001:2000

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Polypropylene

Moplen HP552R (Fibre)

Typical properties	Test method (ASTM)	Unit	Value
MFR @230°C, 2.16 kg	D1238/L	gr/10min	25
Flexural Modulus	D790	Mpa	1500
Notched Izod Impact@23°C	D256	J/m	30
Tensile Strength@Yield	D638	Mpa	32
Elongation@Yield	D638	%	13
Vicat Softening Point, 10N	D1525	°C	152
HDT(0.46N/mm ²)	D648	°C	94
Rockwell Hardness	D785	R.Scale	100
Oven Aging@150°C	D3012	Hours	150

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

❖ Main application & Characteristics:

Moplen HP552R is a high melt flow homo-polymer polypropylene for the production of CF, BCF and staple fibres at medium to high spinning speeds.

Moplen HP552R with an excellent anti-gas fading package offers a high homogeneity, stable extrusion and excellent process ability on both short and long spinning lines. This grade allows a high stretch ratio and gives tough and resilient fibres.

Moplen HP552R is suitable for low denier staple fibres for non-woven fabrics, diapers, medical-sanitary applications and wipes.

Another typical application is high tenacity continuous filament for straps for backpacks, handles for big and safety belts.

Continuous filament with medium tenacity is used for upholstery, sportswear and heavy duty clothing.

Moplen HP552R is also suited for the production of bulked continuous filament for thermo bonding and carpets.

* **Moplen HP552R** is suitable for food contact.