Arak Petrochemical Company

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 (0.46 N/mm^2)	D648	°c	94
Rockwell Hardness	D785	R.Scale	100
Oven Ageing @ 150°c	D3012	Hours	150

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

Main Applications:

Moplen HP552R is a high melt flow homopolymer for the production of CF, BCF & staple fibres at medium to high spinning speeds. Moplen HP552R exhibits excellent anti gas-fading properties.

Moplen HP552R is suitable for low denier staple fibres for nonwoven fabrics, diapers, medical-sanitary applications & wipes.

Another typical application is high tenacity continuous filament for straps for backpacks, sport bags, bulk bags & for safety belts.

Continuous filament with medium tenacity is used for upholstery & sportswear.

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

* Moplen HP552R is suitable for food contact.

ISO 9001: 2000
Certificate No. : 88023-2

ISO 14001: 1996
Certificate No. : CH02/203112

OHSAS 18001
Certificate No. : IBE 01005

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