

POLYPROPYLENE

Moplen HP552R(Fibre)

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

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.

Producer: Arak Petrochemical Company