

**NAME: HP552R**

**Product Description:**

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

**Applications:**

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.

**Typical data: (Table)**

Typical Properties	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 <sup>2</sup> )	D648	°C	94
Rockwell Hardness	D785	R.Scale	100
Oven Ageing @ 150°C	D3012	Hours	150

