

## Moplen HP552R

Polypropylene Homo-polymer (Fibre)

### Description

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.

### Application

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 continues filament for straps for backpacks, handles for big and safety belts. Continues filament with medium tenacity is used for upholstery, sportswear and heavy duty clothing. Moplen HP552R is also suited for the production of bulked continues filament for thermo bonding and carpets.

\* Moplen HP552R is suitable for food contact.

### Typical Data

Properties	Value	Unit	Method
<b>Physical</b>			
Melt Flow Rate (230 °C, 2.16kg)	25	g/10min	ASTM D1238
Density	0.9	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
Flexural Modulus	1400	MPa	ASTM D790
Tensile Strength at Yield	32	MPa	ASTM D638
Tensile Elongation at Yield	8	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	20	J/m	ASTM D256
<b>Thermal</b>			
Vicat softening point (10N)	152	°C	ASTM D1525
H.D.T. (0.46 MPa)	84	°C	ASTM D648
Accelerated oven ageing in air at 150 °C 150 hours	150	hours	ASTM D3012