

Technical Datasheet HP552R

1) Product 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.

2) Applications:

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

3) Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Melt Flow Rate (230 °C, 2.16kg)	ASTM D1238/L	g/10min	25
Flexural Modulus	ASTM D790	MPa	1500
Notched Izod Impact at 23 °C	ASTM D256	J/M	30
Tensile Strength at Yield	ASTM D638	MPa	32
Elongation at Yield	ASTM D638	%	13
Vicat softening point (10N)	ASTM D1525	°C	152
H.D.T. (0.46N/mm ²)	ASTM D648	°C	94
Rockwell Hardness	ASTM D785	R Scale	100
Oven Aging at 150 °C	ASTM D3012	Hours	150

* Typical values not to be construed as specifications.