

Technical Data Sheet**HP 552R**

Polypropylene Homopolymer

HP552R is a high melt flow homo-polymer polypropylene for the production of CF, BCF and staple fibres at medium to high spinning speeds. 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.

Applications

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. HP552R is also suited for the production of bulked continues filament for thermo bonding and carpets. HP552R is suitable for food contact.

Properties	Test Method	Units	Value
Melt flow rate(230° c.2.16 Kg)	ASTM D1238/L	gr/10 min	25
Flexural modulus	ASTM D 790	MPa	1500
Notched Izod Impact@23°C	ASTM D 256	J/M	30
Tensile strength at yield	ASTM D 638	MPa	32
Elongation@Yield	ASTM D 638	%	13
Vicat softening point (10 N)	ASTM D 1525	°c	152
H.D.T. (0.46 N/mm ²)	ASTM D 648	°c	94
Rockwell Hardness	ASTM D 785	R.Scale	100
Oven Aging@150°C	ASTM D 3012	Hours	150