

552R

"HP 552 R" is a high melt flow homopolymer for the production of CF,BCF and fine denier staple fibers at medium to high spinning speeds and exhibits excellent antigasafading properties.

"HP 552R" is suitable for nonwoven fabrics for diapers, medical-sanitary applications and wipes. Another typical application is high tenacity continuous filament for straps for backpacks.sport bags, bulk bags and safety belt. Continuous filament with medium tenacity is used for straps for

Upholstery and sportswear. "HP552R" is also suited for the production of bulked continuous filament for carpets. "HP

552R" is suitable for food contact.

Processing Method

Fiber Extrusion(CF,BCF,staple)

Feature

High melt flow

Excellent antigasfading properties

Good processability

Homopolymer

Typical Applications

Nonwoven fabrics for diapers, medical-sanitary applications Wipes and tissues.

Straps for backpacks, sport bags, bulk bags and for safety belts Upholstery and sportswear.

Bulk continuous filament for carpets

Nonwoven staple fiber

Hygiene nonwoven

Approval

Food

properties	Value	Unit	Method
Melt Flow Rate	25	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	1500	MPa	ASTM D790
Tensile strength@yield	32	MPa	ASTM D638
Tensile Elongation @ yield	13	%	ASTM D638
Izod impact strength(notched)@23c°	30	J/m	ASTM D256
Rockwell Hardness	100	R Scale	ASTM D785
Vicate softening (10N)	152	C°	ASTM D1525
H.D.T.(0.46 MPa)	94	C°	ASTM D648
Accelerated oven ageing in air @150 C°	150	hours	ASTM D3012