

HP552R

Homopolymer

Description:

HP552R 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 anti-gas fading properties. HP552R is suitable for nonwoven fabrics for diapers, medical-sanitary applications and wipes. Another typical application for HP552R is high tenacity continuous filament for straps for backpacks, sport bags, bulk bags and safety belts. Continuous filament with medium tenacity is used for upholstery and sportswear. HP552R is also suited for the production of bulked continuous filament for carpets. HP552R is suitable for food contact.

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

Features: High melt flow, Excellent anti-gas fading properties, Good processability

Suitable for: Fiber Extrusion (BCF, CF, staple)

Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16kg)	25	g/10 min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	1500	MPa	ASTM D790
Tensile Strength at Yield	32	MPa	ASTM D638
Tensile Elongation at Yield	13	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	30	J/m	ASTM D256
Rockwell Hardness	100	R Scale	ASTM D785
Vicat softening point (10 N)	152	°C	ASTM D1525
H.D.T. (0.46 Mpa)	94	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	150	h	ASTM D3012

* Typical values; not to be considered as product specification.