

Technical Datasheet

HP552R

1) Product Description:

"Jampilen 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 antigasfading properties. Jampilen HP552R" 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 belts. Continuous filament with medium tenacity is used for upholstery and sportswear. "Jampilen HP552R" is also suited for the production of bulked continuous filament for carpets."Jampilen HP552R " is suitable for food contact.

2) Processing Method:

Fiber Extrusion (CF, BCF, Staple)

3) 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

4) Typical data:

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUE*
Melt Flow Rate (230 °C, 2.16kg)	ASTM D1238	g/10min	25
Density	ASTM D1505	g/cm ³	0.9
Flexural Modulus	ASTM D790	MPa	1500
Tensile Strength at Yield	ASTM D638	MPa	32
Tensile Elongation at Yield	ASTMD638	%	13
Izod Impact Strength (notched) at 23 °C	ASTM D256	J/m	30
Rockwell Hardness	ASTM D785	R Scale	100
Vicat softening point (10N)	ASTM D1525	°C	152
H.D.T. (0.46 Mpa)	ASTM D648	°C	94
Accelerated oven ageing in air at 150 °C	ASTM D3012	hours	150