

Jampilen HP552R

HOMOPOLYMER

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 anti gas fading 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.

Typical 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
- Injection molded articles, housewares, etc

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 °C, 2.16kg)	25	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mechanical			
Flexural Modulus	1400	MPa	ASTM D790
Tensile Strength at Yield	32	MPa	ASTM D638
Tensile Elongation at Yield	8	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	20	J/m	ASTM D256
Thermal			
Vicat softening point (10N)	152	°C	ASTM D1525
H.D.T. (0.46 MPa)	84	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	150	hours	ASTM D3012