

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 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.

Processing Method:

Fiber Extrusion (CF, BCF, staple)

Features:

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

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	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
Thermal			
Vicat softening point (10N)	152	°C	ASTM D1525
H.D.T. (0.46 Mpa)	94	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	150	hours	ASTM D3012