

Jampilen HP552R

Polypropylene 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.

Processing Method

- Fiber Extrusion (CF, BCF, Staple)

Features

- Good processability
- Excellent anti gas-fading properties
- High melt flow
- Homopolymer

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 carpet
- Nonwoven staple fiber
- Hygiene nonwoven

TYPICAL PROPERTIES	UNIT	TYPICAL VALUE	TEST METHOD
PHYSICAL			
MELT FLOW RATE (230°C, 2.16 KG)	g/10min	25	ASTM D1238
DENSITY	g/cm ³	0.9	ASTM D1505
MECHANICAL			
FLEXURAL MODULUS	MPa	1500	ASTM D790
TENSILE STRENGTH AT YIELD	MPa	32	ASTM D638
TENSILE ELONGATION AT YIELD	%	13	ASTM D638
IZOD IMPACT STRENGTH (NOTCHED) AT 23 °C	J/M	30	ASTM D256
R^oCKWELL HARDNESS	R Scale	100	ASTM D785
THERMAL			
VICAT SOFTENING POINT(10N)	°C	152	ASTM D1525
H.D.T (0.46 MPA)	°C	94	ASTM D648
ACCELERATED OVEN AGEING IN AIR AT 150°C	Hours	150	ASTM D3012

Approval

Food Certificate

Producer: Jam Polypropylene Co. (JPPC)

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