



Jampilen HP564S

Polypropylene Homopolymer

Description

“Jampilen HP564S” is a high melt flow rate homopolymer with the narrow molecular weight distribution for the high speed production of low denier continuous filament for spun-bonded, nonwoven fabrics with an excellent balance of mechanical properties and softness. The grade is formulated with an anti-gas fading stabilization package and characterized by consistent high speed and low nonwoven weight. The major applications for spun-bonded fabrics made of “Jampilen HP564S” are diapers, medical and sanitary tissues, protective fabrics for agricultural, industrial and medical applications, baking and linings for the furniture and carpet industries. This grade can also be used for the production of partially oriented yarn and bulked continuous filament. “Jampilen HP564S” is suitable for food contact.

Processing Method

- Extrusion (Filament) and Fiber spinning

Features

- High melt flow and Controlled rheology
- Narrow molecular weight distribution, Easy processability
- Gas-fading resistant, Homopolymer

Applications

- Spun-bonded, nonwoven fabrics, Fabrics for diapers,
- feminine care, medical and sanitary tissues
- Protective fabrics for agricultural, industrial and medical applications
- Backing and linings for the furniture and carpet industries, Oriented yarn and bulked continuous filament, Wipe and tissues

TYPICAL PROPERTIES	UNIT	TYPICAL VALUE	TEST METHOD
PHYSICAL			
MELT FLOW RATE (230°C, 2.16 KG)	g/10min	40	ASTM D1238
DENSITY	g/cm ³	0.9	ASTM D1505
MECHANICAL			
FLEXURAL MODULUS	MPa	1500	ASTM D790
TENSILE STRENGTH AT YIELD	MPa	33	ASTM D638
TENSILE ELONGATION AT YIELD	%	8	ASTM D638
IZOD IMPACT STRENGTH (NOTCHED) AT 23 °C	J/M	30	ASTM D256
R^oCKWELL HARDNESS	R Scale	102	ASTM D785
THERMAL			
VICAT SOFTENING POINT(10N)	°C	155	ASTM D1525
H.D.T (0.46 MPA)	°C	91	ASTM D648
ACCELERATED OVEN AGEING IN AIR AT 150°C	Hours	360	ASTM D3012

Approval

Food Certificate

Producer: Jam Polypropylene Co. (JPPC)

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