Jampilen HP564S

Homopolymer

Jampilen Petrochemical

Description:

"Jampilen HP564S" is a high melt flow rate homopolymer with a narrow molecular weight distribution for the high speed production of low denier continuous filament for spunbonded, nonwoven fabrics with an excellent balance of mechanical properties and softness. This grade is formulated with an antigasfading stabilization package and characterized by consistent high speed and low nonwoven weights. The major applications for spunbonded fabrics made of "Jampilen HP564S" are diapers, medical and sanitary tissues, protective fabrics for agricultural, industrial and medical applications, backings 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)
Fiber Spinning

Features:

High melt flow
Narrow molecular weight distribution
Easy processability
Gasfading resistant
Homopolymer

Typical Applications:

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

Approval:

Food

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 ^{0}C, 2.16 kg)	41	g/10min	ASTM D1238
Density	0.9	g/cm^3	ASTM D1505
Mechanical			
Flexural Modulus	1350	MPa	ASTM D790
Tensile Strength at Yield	31	MPa	ASTM D638
Tensile Strength at Break	32	MPa	ASTM D638
Tensile Elongation at Yiels	7	%	ASTM D638
Tensile Strain at Break	30	%	ASTM D638
Izod Impact Strength (notched) at 23 ^{0}C	> 15	J/m	ASTM D256
Thermal			
Vicat softening point (B 120 ^{0}C/h,10N)	152	^{0}C	ASTM D1525
H.D.T. (0.46 MPa)	85	^{0}C	ASTM D648
Accelerated oven ageing in air at 150 ^{0}C	360	Hours	ASTM D3012

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