

HOPELEN FR-170

PP HOMOPOLYMER

General Information

Description

FR-170 is a high melt flow rate resin with a narrow molecular weight distribution homopolymer.

It is ideally suited for woven & nonwoven application including staple fiber as well as continuous filament yarn and high tenacity fiber.

This product contains no peroxide or peroxide decomposition by-products.

It is formulated with an anti-gasfading stabilisation package

Applications

- ◆ Continuous filament, BCF, Staple fiber

Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	25.5	g/10min		
Density	ASTM D792	0.90	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	350	kgf/cm ²	34	MPa
Tensile Strain (Break)	ASTM D638	>100	%	>100	%
Flexural Modulus	ASTM D790	15,000	kgf/cm ²	1,460	MPa
Rockwell Hardness	ASTM D785	102	R		
Impact					
Notched Izod Impact Strength (23℃)	ASTM D256	2.5	kgf·cm/cm	24	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	105	℃		
VICAT Softening Point	ASTM D1525	153	℃		

NOTE

ISO 9001, 14001

¹ Physical Properties : these are not to be construed as specifications

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