



SEETEC FR-170(OLD H7600) PP HOMO POLYMER

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	360	kgf/cm ²	35	MPa
Tensile Strain (Break)	ASTM D638	>100	%	>100	%
Flexural Modulus	ASTM D790	17,500	kgf/cm ²	1,700	MPa
Rockwell Hardness	ASTM D785	110	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	117	℃		
VICAT Softening Point	ASTM D1525	155	℃		

NOTE

ISO 9001, 14001

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