

## HOPELEN FR-160

## PP HOMOPOLYMER

### General Information

#### Description

FR-160 is a medium 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, Belt

### Physical Properties<sup>1</sup>

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	16	g/10min		
Density	ASTM D792	0.90	g/cm <sup>3</sup>		
<b>Mechanical</b>					
Tensile Stress (Yield)	ASTM D638	350	kgf/cm <sup>2</sup>	34	MPa
Tensile Strain (Break)	ASTM D638	>100	%	>100	%
Flexural Modulus	ASTM D790	15,000	kgf/cm <sup>2</sup>	1,460	MPa
Rockwell Hardness	ASTM D785	101	R		
<b>Impact</b>					
Notched Izod Impact Strength (23 °C)	ASTM D256	3.5	kgf-cm/cm	34	J/m
<b>Thermal</b>					
Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> )	ASTM D648	105	°C		
VICAT Softening Point	ASTM D1525	152	°C		

### NOTE

ISO 9001, 14001

<sup>1</sup> Physical Properties : these are not to be construed as specifications

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