

# H5300

## Description

Polypropylene homopolymer suitable for the extrusion of textile yarn and monofilaments  
Good processibility and stretchability

## Application

Woven fabrics, Net, Rope, Split yarn

Properties	Method	Condition	Unit	H5300
<b>Physical</b>				
MFI	ASTM D1238	230°C, 2.16kg load	g/10min	3.5
Density	ASTM D1505	Density-Gradient	g/cm <sup>3</sup>	0.9
<b>Mechanical</b>				
Tensile Strength at Yield Point(MPa)	ASTM D638	50mm/min	MPa	34
Elongation at Break Point	ASTM D638	50mm/min	%	>500
Flexural Modulus(MPa)	ASTM D790	Press sheet, 1% Secant	MPa	1600
Izod Impact Strength(J/m)	ASTM D256	23°C, Notched	J/m	3
Rockwell Hardness(R-Scale)	ASTM D785	R-Scale		105
<b>Thermal</b>				
Vicat Softening Temperature	ASTM D1525	A50	°C	151
Heat Deflection Temperature	ASTM D648	4.6kgf/cm <sup>2</sup>	°C	110

## Note

The properties data in this table are typical values, and not guaranteed specification.  
Typical resin property values are measured on a standard injection molded specimens.

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