

## ASTM Property

<b>Grade</b>	H5300
<b>Product</b>	Polypropylene, Homopolymer

### General Information

Key Features

- Stretched products & Flay yarn application
- Formability, Stiffness, Extensibility

Applications

- Woven bag, Tape, Rope, Fishing net

Item	Measuring Method	Unit	Value
<b>Physical</b>			
Melt Flow Index	ASTM D1238	g/10min	3.5
Density	ASTM D1505	g/cm <sup>3</sup>	0.9
<b>Mechanical</b>			
Tensile Stress (Yield)	ASTM D638	kgf/cm <sup>2</sup>	350
Tensile Strain (Break)	ASTM D638	%	≥100
Flexural Modulus	ASTM D790	kgf/cm <sup>2</sup>	15,000
Rockwell Hardness	ASTM D785	R	100
<b>Impact</b>			
Izod Impact Strength (23°C)	ASTM D256	kgf·cm/cm	3
<b>Thermal</b>			
Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> )	ASTM D648	°C	104
VICAT Softening Point	ASTM D1525	°C	152

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

\* The last update date : 2026/06/01

