

DATASHEET

ASTM Property



Grade	H5300
Product	Polypropylene, Homopolymer

General Information

Key Features

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

Applications

- Woven bag, Tape, Rope, Fishing net

Item	Measuring Method	Unit	Value
Physical Properties			
Melt Flow Index (230°C, 2.16kg)	ASTM D1238	g/10min	3.5
Density	ASTM D792	g/cm ³	0.9
Mechanical Properties			
Tensile Stress (Yield)	ASTM D638	kgf/cm ²	350
Tensile Strain (Break)	ASTM D638	%	≥100
Flexural Modulus	ASTM D790	kgf/cm ²	15,000
Rockwell Hardness	ASTM D785	R	100
Impact Properties			
Izod Impact Strength (notched, 23°C)	ASTM D256	kgf·cm/cm	3.0
Thermal Properties			
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	°C	104
VICAT Softening Temperature	ASTM D1525	°C	152

1. Physical Properties : these are not to be construed as specifications
2. ISO 9001, 14001, /TS 16949

* The last update date : 2022/11/18