

Grade	H5300
Product	Homo PP

General Information

Key Features

H5300 is polypropylene homopolymer designed for stretched products such as flat yarn. It is a low flow rate resin with a broad molecular weight distribution. It complies with FDA regulation.

Applications

Flat yarn for woven bags, tape and rope

Item	Measuring Method	Unit	Value
Physical			
Melt Flow Index	ASTM D1238	g/10min	3.5
Density	ASTM D1505	g/cm ³	0.900
Mechanical			
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			
Izod Impact Strength(notched) (23°C)	ASTM D256	kgf·cm/cm	3
Thermal			
Heat Deflection Temperature(4.6kgf/cm ²)	ASTM D648	°C	104
VICAT Softening Point	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 : 2021/10/01