

HOPELEN H5300

PP HOMOPOLYMER

General Information

Description

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

Applications

- ◆ Flat yarns for woven bags, tape and rope

Physical Properties¹

Physical	Test Method	Nominal Values		
Melt Flow Index	ASTM D1238	3.5	g/10min	
Density	ASTM D792	0.90	g/cm ³	
Mechanical				
Tensile Stress (Yield)	ASTM D638	350	kgf/cm ²	34 MPa
Tensile Strain (Break)	ASTM D638	>500	%	
Flexural Modulus	ASTM D790	15,000	kgf/cm ²	1,460 MPa
Rockwell Hardness	ASTM D785	100	R	
Impact				
Notched Izod Impact Strength (23 °C)	ASTM D256	3.0	kgf-cm/cm	29 J/m
Thermal				
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	104	°C	
VICAT Softening Point	ASTM D1525	152	°C	

NOTE

ISO 9001, 14001

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

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