

# HOPELEN H5300

Polypropylene Homopolymer  
Lotte Chemical Corporation

Message:

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.

General Information			
Features	Homopolymer		
	Low Flow		
	Med.-Wide Molecular Weight Distrib.		
Uses	Bags		
	BCF Yarn		
	Rope		
	Tape		
Agency Ratings	FDA Unspecified Rating		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.3	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	1470	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	29	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	104	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525

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