

**HOPELEN H5300**

PP

Lotte Chemical Corporation

**Product Texts**

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.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	3.5	g/10min	ASTM D 1238

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield	34	MPa	ASTM D 638
Elongation at Break	500	%	ASTM D 638
Flexural Modulus	1460	MPa	ASTM D 790
Rockwell Hardness	R 100	-	ASTM D 785
Izod Impact notched, 1/8 in	29	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
DTUL @ 66 psi	104	°C	ASTM D 648
Vicat Temperature	152	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	900	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Features**

Homopolymer

**Regional Availability**

North America, Europe, Asia Pacific

**Certifications**

Food contact, Food approval FDA 21 CFR