

# Hanwha Total PP HY300

Polypropylene Homopolymer  
HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

HY300 is a PP homopolymer for stretched tapes applications. This grade is suitable for laminating applications such as packaging films, injection-modeled housewares and woven bags.

General Information			
Features	Good Processability		
	Good Stretchability		
	High Tensile Strength		
	Homopolymer		
Uses	Bags		
	Containers		
	Film		
	Fishing Applications		
	Household Goods		
	Laminates		
	Netting		
	Packaging		
Forms	Tape		
	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.9	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	37.3	MPa	ASTM D638
Tensile Elongation (Break)	500	%	ASTM D638
Flexural Modulus	1570	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	39	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	110	°C	ASTM D648
Vicat Softening Temperature	155	°C	ASTM D1525
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	150 to 200	°C	
Cylinder Zone 2 Temp.	150 to 200	°C	
Cylinder Zone 3 Temp.	150 to 200	°C	
Cylinder Zone 4 Temp.	150 to 200	°C	
Cylinder Zone 5 Temp.	150 to 200	°C	
Adapter Temperature	180 to 220	°C	
Die Temperature	180 to 220	°C	

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#### Recommended distributors for this material

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