

Hanwha Total PP HY311

Polypropylene Homopolymer
HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

HY311 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	
Additive	UV Stabilizer
Features	Good Processability
	Good Stretchability
	High Tensile Strength
	Homopolymer
Uses	Bags
	Containers
	Film
	Fishing Applications
	Household Goods
	Laminates
	Netting
	Packaging
	Tape
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.3	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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