

Hanwha Total PP RF450

Polypropylene

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

RF450 is a random polypropylene that may be used in the skin layer of corona treated CPP / OPP film. RF450 has superior transparency and corona index maintenance so that it may be widely used in packaging film that requires printing and adhesion.

General Information			
Features	Crystalline		
	Excellent Printability		
	Good Adhesion		
	Good Processability		
	Good Processing Stability		
	Random Copolymer		
Uses	Film		
	Packaging		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	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	1370	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	34	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	105	°C	ASTM D648
Vicat Softening Temperature	145	°C	ASTM D1525
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	150 to 190	°C	
Cylinder Zone 2 Temp.	150 to 190	°C	
Cylinder Zone 3 Temp.	150 to 190	°C	

Cylinder Zone 4 Temp.	150 to 190	°C
Cylinder Zone 5 Temp.	150 to 190	°C
Adapter Temperature	180 to 220	°C
Die Temperature	180 to 220	°C

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