

Hanwha Total PP RB210

Polypropylene

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

RB210 is a propylene-ethylene random copolymer grade for blow molding applications. This resin is suited to bottles and containers requiring high clarity such as cosmetics, beverage, shampoo, and medical bottles.

General Information			
Additive	Nucleating Agent		
Features	Good Processability		
	High Clarity		
	High Impact Resistance		
	High Rigidity		
	Nucleated		
	Random Copolymer		
Uses	Blow Molding Applications		
	Bottles		
	Containers		
	Cosmetics		
	Medical/Healthcare Applications		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	75		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.4	MPa	ASTM D638
Tensile Elongation (Break)	500	%	ASTM D638
Flexural Modulus	883	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	360	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed)	85.0	°C	ASTM D648
Vicat Softening Temperature	130	°C	ASTM D1525
Melting Temperature	151	°C	
Optical	Nominal Value	Unit	Test Method
Haze	30	%	ASTM D1003
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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