

Hanwha Total PP RB200

Polypropylene

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

RB200 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			
UL YellowCard	E140331-100334662		
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/cm³	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)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	31.4	MPa	ASTM D638
Tensile Elongation (Break)	500	%	ASTM D638
Flexural Modulus	1180	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	54	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	95.0	°C	ASTM D648
Vicat Softening Temperature	135	°C	ASTM D1525
Melting Temperature	151	°C	
Optical	Nominal Value	Unit	Test Method
Haze	28	%	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	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

