

Hanwha Total PP BJ730

Polypropylene Impact Copolymer

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

BJ730 is a high-flow block copolymer polypropylene resin for injection molding applications. This grade is designed to be processed in conventional injection molding equipment.

General Information			
UL YellowCard	E140331-222897		
Features	Block Copolymer		
	Rigidity, high		
	Impact resistance, high		
	High liquidity		
Uses	Home appliance components		
	Car anti-collision bar		
	Car interior equipment		
	Car exterior decoration		
	Car dashboard		
Forms	Particle		
Processing Method	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)	27	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	91		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	28.4	MPa	ASTM D638
Fracture	19.6	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	1470	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	39	J/m	ASTM D256
0°C	49	J/m	ASTM D256
23°C	78	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	125	°C	ASTM D648
Optical	Nominal Value		Test Method
Gloss	50		ASTM D2457
Injection	Nominal Value	Unit	
Rear Temperature	170 - 200	°C	
Middle Temperature	180 - 220	°C	
Front Temperature	210 - 250	°C	
Mold Temperature	30.0 - 50.0	°C	
Injection Pressure	98.1 - 245	MPa	
Holding Pressure	78.5 - 226	MPa	
Injection instructions			

Cooling Time: 25 to 40 sec

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