

Hanwha Total PP BJ300

Polypropylene Impact Copolymer
HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:
BJ300 is a block copolymer polypropylene resin for injection molding applications. This grade is designed to be processed in conventional injection molding equipment.

General Information			
UL YellowCard	E140331-222892		
Features	Block Copolymer		
	Rigidity, high		
	High molecular weight		
	Impact resistance, high		
	Good UV resistance		
	Good demoulding performance		
Uses	Lawn and Garden Equipment		
	Wheels		
	Electrical components		
	Tools/Parts Box		
	Household goods		
	Container		
	Outdoor application		
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)	5.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	82		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	28.4	MPa	ASTM D638
Tensile Elongation (Break)	300	%	ASTM D638
Flexural Modulus	1270	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	59	J/m	ASTM D256
0°C	78	J/m	ASTM D256
23°C	120	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	110	°C	ASTM D648
Optical	Nominal Value		Test Method
Gloss	75		ASTM D2457
Injection	Nominal Value	Unit	
Rear Temperature	70.0 - 200	°C	
Front Temperature	210 - 230	°C	
Mold Temperature	0.00 - 50.0	°C	
Injection Pressure	78.5 - 127	MPa	
Holding Pressure	58.8 - 98.1	MPa	
Injection instructions			
Cooling Time: 30 to 40 sec			

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