

Hanwha Total PP BJ820T

Polypropylene Impact Copolymer
HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

BJ820T 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			
Features	Block Copolymer		
	Rigidity, high		
	Impact resistance, high		
	High liquidity		
Uses	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)	35	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		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	1370	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	34	J/m	ASTM D256
0°C	44	J/m	ASTM D256
23°C	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	120	°C	ASTM D648
Optical	Nominal Value		Test Method

Gloss	60	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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