

Hanwha Total PP BI730

High Crystallinity Polypropylene
HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:
BI730 is a highly isotactic block copolymer with high flowability, high strength, and high crystallinity. It shows an excellent balance of strength and impact resistance due to the application of high crystalline technology and the most appropriate rubber design. BI730 also has a broad molecular weight distribution so that it has better injection processibility compared to general PP.

General Information			
Features	Block Copolymer		
	Rigidity, high		
	High strength		
	m-benzene dimethyl		
	Crystallization		
	Impact resistance, high		
	Workability, good		
	High liquidity		
	Low temperature impact resistance		
	Heat resistance, high		
	Medium wide molecular weight distribution		
Uses	Household goods		
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 (Yield)	29.4	MPa	ASTM D638
Flexural Modulus	1570	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	39	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)	127	°C	ASTM D648
Optical	Nominal Value		Test Method

Gloss	75	ASTM D2457
Injection	Nominal Value	Unit
Rear Temperature	160 - 200	°C
Middle Temperature	200 - 240	°C
Front Temperature	220 - 260	°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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