

# Hanwha Total PP BI740

High Crystallinity Polypropylene  
HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

BI740 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. Its excellent gloss and surface hardness also make it useful in the exterior of family appliances.

BI730 also has a broad molecular weight distribution so that it has better injection processibility compared to general PP.

General Information			
UL YellowCard	E140331-222887		
Features	Block Copolymer		
	Rigidity, high		
	Highlight		
	High strength		
	m-benzene dimethyl		
	Crystallization		
	Impact resistance, high		
	High liquidity		
	Scratch resistance		
	Heat resistance, high		
Uses	High hardness		
	Electrical appliances		
	Household goods		
Forms	Bathroom accessories		
	Particle		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	97		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	33.3	MPa	ASTM D638
Flexural Modulus	1720	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	34	J/m	ASTM D256



23°C	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	132	°C	ASTM D648
Optical	Nominal Value		Test Method
Gloss	85		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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#### Recommended distributors for this material

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