

# Hanwha Total PP BI530

High Crystallinity Polypropylene  
HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

BI530 is a block copolymer polypropylene resin for injection molding applications. This grade is produced by HIPP technology and has a high ethylene-propylene rubber content.

General Information			
UL YellowCard	E140331-100066339		
Features	Block Copolymer		
	Ultra-high impact resistance		
	Rigidity, high		
	m-benzene dimethyl		
	Good liquidity		
Uses	Household goods		
	Car anti-collision bar		
	Car interior equipment		
	Automotive exterior parts		
Forms	Particle		
Processing Method	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)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	40		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	19.6	MPa	ASTM D638
Tensile Elongation (Break)	250	%	ASTM D638
Flexural Modulus	883	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	98	J/m	ASTM D256
23°C	590	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	100	°C	ASTM D648
Optical	Nominal Value		Test Method
Gloss	45		ASTM D2457

#### Additional Information

Dupont Impact Strength, SAMSUNG TOTAL, -20°C: 500 kg/cm

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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#### Recommended distributors for this material

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