

Hanwha Total PP BI518

High Crystallinity Polypropylene
HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

BI518 is a block copolymer polypropylene resin for injection molding applications. This grade is produced by HIPP technology.

General Information			
Features	Block Copolymer		
	Rigidity, high		
	m-benzene dimethyl		
	Crystallization		
	Impact resistance, high		
	Good UV resistance		
	Workability, good		
	Fast molding cycle		
	High liquidity		
	Good weather resistance		
	Good toughness		
	Good demoulding performance		
Uses	Battery box		
	Application in Automobile Field		
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)	10	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 (Yield)	30.4	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	1420	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	49	J/m	ASTM D256
11°C	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	118	°C	ASTM D648
Optical	Nominal Value		Test Method
Gloss	75		ASTM D2457

Additional Information

Dupont Impact Strength, SAMSUNG TOTAL, -20°C: 250 kg/cm

Injection	Nominal Value	Unit
Rear Temperature	215	°C
Middle Temperature	235	°C
Front Temperature	235	°C
Nozzle Temperature	235	°C
Injection Pressure	98.1	MPa

Injection instructions


Cooling Time: 10 sec

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