

Hanwha Total PP BI850

Polypropylene Impact Copolymer

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

BI850, HIPP, is high flow impact copolymer for injection molding application. This exhibit a high rigidity as well as an excellent impact strength due to the ideal combination of highly crystalline homo matrix and the well-designed rubber morphology. This is suitable for the injection molding of large articles which require high melt flowability.

Characteristics & Applications

High stiffness & flowability

Excellent balance between stiffness & impact strength

Applications: Large E&E articles, base resin for PP compound (auto & E&E) thin wall injection molding (TWIM) containers, housewares

General Information			
UL YellowCard	E140331-100039330	E140331-100607312	
Features	Food Contact Acceptable		
	High Flow		
	High Impact Resistance		
	High Rigidity		
	High Stiffness		
	Impact Copolymer		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Household Goods		
	Thin-walled Containers		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
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)	43	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	28.4	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	1570	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	39	J/m	

0°C	49	J/m	
23°C	69	J/m	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature	120	°C	ASTM D648

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