Hanwha Total PP BI970

High Crystallinity Polypropylene

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

BI970 is a highly isotactic block copolymer with ultra-high flowability, high impact, and higher crystalinity compared to general PP. It maintains an optimum balance of strength and impact resistance due to high crystalline technology and the most appropriate rubber design. Through the control of molecular weight distribution, the product shows superior melt flow compared to normal PP and is appropriate for energy savings and multi-cavity injection molding. BI970 is useful in large scale thin products with low distortion tendencies and may also be used as a compound base resin.

General Information			
Features	Block Copolymer High strength m-benzene dimethyl Crystallization Impact resistance, high High liquidity Low temperature impact resistance Heat resistance, high Narrow molecular weight distribution		
Uses	Films Cup Car anti-collision bar Car interior equipment Car dashboard Container		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.910	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	100	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	87		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	31.4	MPa	ASTM D638
Tensile Elongation (Break)	25	%	ASTM D638
Flexural Modulus	1670	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	59	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	125	°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

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China