

Hanwha Total PP HJ730L

High Crystallinity Polypropylene

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

HJ730L is a highly isotactic Homo PP(HIPP) with high crystalline properties compared to normal Homo PP. The product's crystalline properties have enhanced its strength and heat resistance. HJ730L is highly useful for use in electrical/electronic appliances and high strength automobile parts which are exposed to lengthy periods of high temperatures.

General Information			
UL YellowCard	E140331-222941		
Features	Low blur phenomenon		
	Rigidity, high		
	High strength		
	m-benzene dimethyl		
	Crystallization		
	Homopolymer		
	Impact resistance, good		
	Good liquidity		
	Scratch resistance		
	Heat resistance, high		
	Thermal Stability		
	High hardness		
Uses	Electrical/Electronic Applications		
	Electrical appliances		
	Cover		
	Application in Automobile Field		
	Car interior parts		
	Car interior equipment		
	Automotive exterior parts		
	Car exterior decoration		
Agency Ratings	FDA 21 CFR 177.1520		
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)	5.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	42.2	MPa	ASTM D638
Tensile Elongation (Break)	200	%	ASTM D638
Flexural Modulus	2060	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	39	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	137	°C	ASTM D648
Optical	Nominal Value		Test Method
Gloss	90		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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