

Hanwha Total PP BJ550

Polypropylene Impact Copolymer

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

BJ550 is for injection molding application. STC impact copolymer shows an easy processability and an excellent stiffness combined with good impact strength & appearance.

Characteristics & Applications

Excellent balance between stiffness and impact strength

Good appearance (gas mark and void free, high gloss)

Good processability and productivity

Applications : E&E parts, battery case, containers

General Information			
UL YellowCard	E140331-559998		
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Processability		
	High Gloss		
	High Stiffness		
	Impact Copolymer		
Uses	Battery Cases		
	Containers		
	Electrical/Electronic Applications		
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)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	80		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.5	MPa	ASTM D638
Tensile Elongation (Break)	> 200	%	ASTM D638
Flexural Modulus	1320	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	49	J/m	
0°C	59	J/m	

23°C	110	J/m	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature	105	°C	ASTM D648

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