

Samsung Total BJ350

Polypropylene Impact Copolymer

SAMSUNG TOTAL PETROCHEMICALS Co., Ltd.



Prospector

Product Description

BJ350 is an impact polypropylene for injection molding applications. The polymerization technology and optimum rubber design offer an excellent balance between stiffness and impact strength.

Characteristics and Applications:

- Good processability and flowability
- High stiffness and impact strength
- Crates, furniture, toys, tool boxes, E&E parts

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific		
Features	• Good Processability • High Flow	• High Impact Resistance • High Stiffness	• Impact Copolymer
Uses	• Crates • Electrical/Electronic Applications	• Furniture • Tool/Tote Box	• Toys
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical	Nominal Value Unit	Test Method
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Density	0.910 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0 g/10 min	ASTM D1238

Mechanical	Nominal Value Unit	Test Method
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Tensile Strength (Yield)	29.4 MPa	ASTM D638
Tensile Elongation (Break)	400 %	ASTM D638
Flexural Modulus	1420 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
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Notched Izod Impact		ASTM D256
-20°C	59 J/m	
0°C	78 J/m	
23°C	110 J/m	

Hardness	Nominal Value Unit	Test Method
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Rockwell Hardness (R-Scale)	85	ASTM D785
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Thermal	Nominal Value Unit	Test Method
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Deflection Temperature Under Load 0.45 MPa, Unannealed	110 °C	ASTM D648
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Notes

¹ Typical properties: these are not to be construed as specifications.