

PP

Impact PP for injection molding

► **BJ350, BJ550
BJ750**

● Description

BJ350, BJ550, & BJ750 are for injection molding application. STC impact PP show 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
 - **BJ350:** Toys, Crate box, E&E parts, tool boxes
 - **BJ550:** E&E parts, battery case, containers
 - **BJ750:** Large E&E articles: Dish Washer Tub, W/M, & TWIM

● Physical Properties

Typical Properties	Method (ASTM)	Unit	BJ350	BJ550	BJ750			
Melt flow index	D1238	g/10min	4	12	28			
Density	D1505	g/cm ³	0.91	0.91	0.91			
Tensile strength at yield	D638	kg/cm ²	280	280	290			
Elongation at break	D638	%	400	>200	>100			
Flexural modulus	D790	kg/cm ²	13,000	13,500	15,500			
Izod impact strength	D256	kgcm/cm						
23 °C						14	11	8
0 °C						8	6	5
-20 °C						6	5	4
Rockwell hardness	D785	R-scale	80	80	90			
Heat distortion temp.	D648	°C	105	105	120			

* Data shown above are representative values for reference purposes only, and not to be construed as specifications

● **Food Contact Application**

- ▶ Samsung Total BJ350, BJ550 & BJ750 meet the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.
- ▶ In case you might need additional technical or regulatory information, please contact Samsung Total Customer Service Team.

● **Other Information**

The information in this document can be used for reference only, not to be construed as specification. Customers are responsible for determine whether our product and information is suitable for their particular purpose and for the compliance with related law.

SAMSUNG TOTAL assumes no obligation or liability for the information in this document.

● **Contacts**

▶ **Product Information & Technical Services**

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