

# PP

High Flow Impact PP for Injection Molding

► **BI760, BJ600  
BJ750**

## ● Description

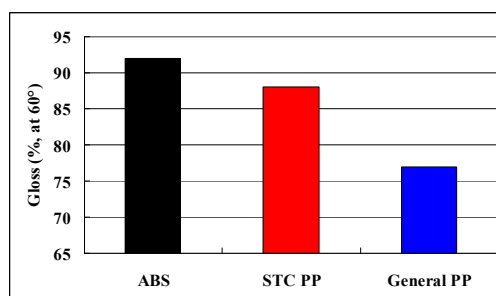
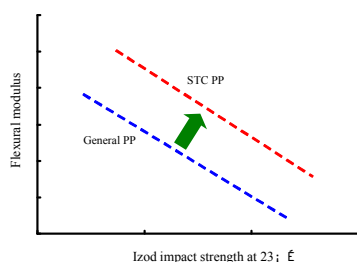
**BI760, BJ600 & BJ750** are high flow impact PP for injection molding application. They show an easy processability and an excellent stiffness combined with good impact strength & gloss.

**BI760** is high stiffness impact copolymer. This grade is not only suitable for thickness downgaging but also substitute styrenics(HIPS,ABS) in small appliances.

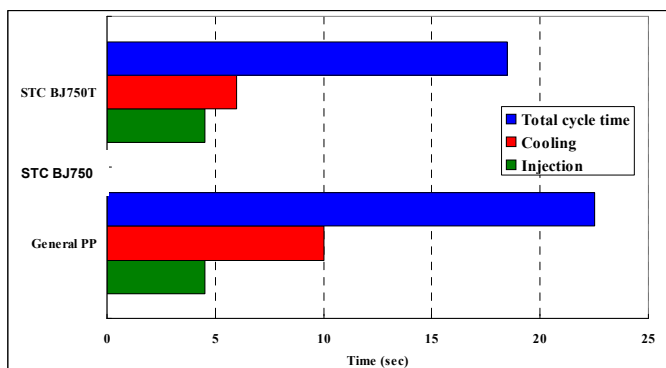
**BJ750** offers the productivity enhancement by cycle time reduction and meet the demand of gas mark/void free during injection process.

## ● Characteristics

- High stiffness & impact strength
- Good appearance(gas mark and void free, high gloss)
- Replacement of styrenics
- Thickness downgaging and weight reduction



- Productivity enhancement by cycle time reduction



- Physical Properties**

Typical Properties	Method (ASTM)	Unit	BI760	BJ600	BJ750
Melt flow index	D1238	g/10min	18	18	28
Density	D1505	g/cm <sup>3</sup>	0.91	0.91	0.91
Tensile strength (yield)	D638	kg/cm <sup>2</sup>	350	290	290
Elongation at break	D638	%	>50	>150	>100
Flexural modulus	D790	kg/cm <sup>2</sup>	18,000	15,000	15,500
Izod impact strength	D256	Kpcm /cm	9	9	8
23□					
0□					
-20□			5	4	4
Rockwell hardness	D785	R-scale	92	87	90
Heat distortion temperature	D648	□	127	115	120

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

- Certifications**

QMSI Company - China      Tuesday, November 25, 2008      0140201

**SANWING TOTAL PETROCHEMICALS CO. LTD.**  
 311-7-208-820-84    CHANGSHU SHI CHENGSHI 311-711-88

Product Description: (03756)-

Physical Description: Pel granules (PP), As received as pellets.

Color	Haze, Thick. (100%)	Haze, Thin. (100%)	RTI	RTI	RTI	IEC GW1	IEC GW1
ALL	1.5	140	85	85	95	-	-
ALL	3.3	180	85	85	95	-	-
RTI - IEC GW1 (100%)	RTI - IEC GW1 (100%)	RTI - IEC GW1 (100%)	RTI - IEC GW1 (100%)	RTI - IEC GW1 (100%)	RTI - IEC GW1 (100%)	RTI - IEC GW1 (100%)	RTI - IEC GW1 (100%)
Tensile Strength (100%)	Tensile Strength (100%)	Tensile Strength (100%)	Tensile Strength (100%)	Tensile Strength (100%)	Tensile Strength (100%)	Tensile Strength (100%)	Tensile Strength (100%)
IEC GW1 (100%)	IEC GW1 (100%)	IEC GW1 (100%)	IEC GW1 (100%)	IEC GW1 (100%)	IEC GW1 (100%)	IEC GW1 (100%)	IEC GW1 (100%)
IEC GW1 (100%)	IEC GW1 (100%)	IEC GW1 (100%)	IEC GW1 (100%)	IEC GW1 (100%)	IEC GW1 (100%)	IEC GW1 (100%)	IEC GW1 (100%)

Report Date: 02/11/09      Lindsay Laboratories Inc.

Small scale test data does not pertain to building materials. Parameters and related contents in small scale test data is provided only for determining the feasibility of using materials used in construction and parts of end products and does not, under any circumstances, constitute a warranty or guarantee of any kind.

SGS

Test Report No. 10000107000000000000

Date: 2008-10-20 08:27

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Client No: 4154700010700  
Client Reference: 0776  
Applicable: 415  
Comments: Customer's signature

Test Item	Unit	Test Method	Min.	Max.
Appearance (Visual)	NONE	2279A/2004 - 0204	00	000
Color (Visual)	NONE	2279A/2004 - 0204	00	000
Odor (Visual)	NONE	2279A/2004 - 0204	00	000
Quality (Visual)	NONE	2279A/2004 - 0204	00	000
Quantity (Visual)	NONE	2279A/2004 - 0204	00	000
Weight (Visual)	NONE	2279A/2004 - 0204	00	000



NOTE: 1. N.E. 1000 10000107000000000000  
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SAMSUNG TOTAL PETRO CHEMICALS CO. LTD  
HONG GIL KONGRAEME BURNETT  
411-1 DOKDONG-RI DAEJEON-UP  
SEOCHAN-SI CHUNGNAM-KOREA

Date Reported: 11/13/2008  
Date Received: 11/06/2008  
Order Number: 3011-134  
Invoice Number: 35273  
Customer: E549

CERTIFICATE OF ANALYSIS

SUBJECT: E549 - POLYPROPYLENE (R.000)

ANALYSIS REQUESTED: A Polypropylene sample was submitted for an extractive study in accordance with 21 CFR 177.1525.

TESTING RESULTS:

Sample	Residue Results (%)	Hexam Limit (%)	Octane Results (%)	Octane Limit (%)	Method of Analysis
3170	0.0	5.0	0.0	0.0	21 CFR 177.1525

ANALYSIS COMPLETED: Testing was conducted from November 6, 2008 - November 10, 2008.

RESULTS AND DISCUSSION:

Extraction studies were performed on the submitted samples in accordance with 21 CFR 177.1525. Each sample was prepared by taking a weight of sample to the extraction apparatus. The following subjects were used:

Hexane held at reflux temperature for two hours, cooled to 25 degrees C and held for 1 hour.

Octane held at reflux temperature for two hours, cooled to 25 degrees C and held for 1 hour.

The results in the above table show the test results meet the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1525(a)(3) and (c) 3.14. The extracts meet their respective FDA regulation and 21 CFR 177.1525(a) in all respects. This result meets the FDA criteria covering safe use of polymeric articles and components of articles intended for food contact use.

The above analyses were performed by a California State Certified Lab. as well as an FDA Registered Laboratory.

If you have any questions regarding these results or if you require additional information, please feel free to contact me.

Signature: [Handwritten Signature]  
Title: Managing Director  
Microbac Laboratories  
Corona Division