

# SÉEETEC M1600

PP Block copolymer

## Applications

- Washing Machine Parts, Cleaner Parts, Toys

## Description

- SÉEETEC M1600 is a polypropylene block copolymer for injection molding applications. It exhibits a good balance of stiffness and impact strength. This grade meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520 for food contact.

## Typical properties

Characteristics	Test Method	Unit	Value
<b>Physical<sup>(1)</sup></b>			
Density	ASTM D1505	g/cm <sup>3</sup>	<b>0.9</b>
MFR(230℃, 2.16Kg)	ASTM D1238	g/10min	<b>25</b>
<b>Mechanical<sup>(2)</sup></b>			
Tensile Strength at Yield	ASTM D638 <sup>(3)</sup>	Mpa	<b>25</b>
Elongation at Break	ASTM D638 <sup>(3)</sup>	%	<b>300</b>
Flexural Modulus	ASTM D790 <sup>(4)</sup>	Mpa	<b>1200</b>
Izod Impact Strength (Notched, 23℃)	ASTM D256	J/m	<b>98</b>
Izod Impact Strength (Notched, -20℃)			<b>39</b>
Hardness(R-scale)	ASTM D785	-	<b>90</b>
<b>Thermal</b>			
Vicat Softening point (1kgf)	ASTM D1525	℃	<b>150</b>
Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> )	ASTM D648	℃	<b>105</b>

(1) The properties data in this table are typical values, and not guaranteed specification.

(2) Typical resin property values are measured on a standard compression molded specimens

(3) Speed of 50 mm/min.

(4) Speed of 28 mm/min.

The actual processing conditions of our products may vary and are beyond our control, establishing satisfactory performance of the resin for the intended application is the customer's responsibility.

For additional sales, order and technical assistance

Revised : 08/07/2014

Head office PO Division, LG Chem Ltd.

Yeouido P.O.Box 672, 21<sup>st</sup> floor LG Twin Tower,

Yeouido-daero 128, Yeongdeungpo-gu Seoul, Korea.

Tel. 82-2-3773-3538 Email : dbdefault@lgchem.com

TS&D

TECH Center . Polyolefin

175, Gajeong-ro, Yuseong-gu, Daejeon, 305-343, Korea.

Tel. 82-42-860-8538, 8394

The information contained herein, including, but not limited to, data, statements and typical values, are given in good faith. LG Chem makes no warranty or guarantee, expressed or implied, (i) that the result described herein will be obtained under end-use conditions, or (ii) as to the effectiveness or safety of any design incorporating LG Chem materials, products, recommendations or advice. Further, any information contained herein shall not be construed as a part of legally binding offer. Especially, the typical values should be regarded as reference values only and not as binding minimum values. Each user bears full responsibility for making its own determination as to the suitability of LG Chem's materials, products, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating LG Chem material or products will be safe and suitable for use under end-use conditions. The data contained herein can be changed without notice as a result of the quality improvement of the products.