SEETEC PP M1600

Polypropylene Impact Copolymer

LG Chem Ltd.

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Product Description
SEETEC M1600 is a heterophasic polypropylene copolymer for injection molding applications. SEETEC M1600 exihibits a high flowability and a good balance of stiffness and impact strength. SEETEC M1600 meets the FDA requirment in the code of Federal Regulations in 21 CFR 177.1520 for food contact.

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific • Europe	• North America • South America	
Features	• High Flow	• High Impact Resistance	• High Stiffness
Uses	• Automotive Applications	• Washer	
Agency Ratings	• FDA 21 CFR 177.1520		
Processing Method	• Injection Molding		

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [2] (Yield)	26.5	MPa	ASTM D638
Tensile Elongation [2] (Break)	100	%	ASTM D638
Flexural Modulus	1230	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Unnotched Izod Impact (23°C)	69	J/m	ASTM D256
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	100		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	105	°C	
Vicat Softening Temperature	152	°C	ASTM D1525 [3]

Notes

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

[2] 50 mm/min

[3] Loading 1 (10 N)

Revision History
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