

SEETEC PP M1600

Polypropylene Impact Copolymer

LG Chem Ltd.

Message:

Applications

Washing Machine Parts, Cleaner Parts, Toys

Description

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

General Information			
UL YellowCard	E140737-223139		
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/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	25.0	MPa	ASTM D638
Tensile Elongation ² (Break)	300	%	ASTM D638
Flexural Modulus ³	1200	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	39	J/m	
23°C	98	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	105	°C	ASTM D648
Vicat Softening Temperature	150	°C	ASTM D1525 ⁴
NOTE			
1.	50 mm/min		
2.	50 mm/min		

3.	28 mm/min
4.	Loading 1 (10 N)

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