

# SEETEC PP M1500

Polypropylene Impact Copolymer

LG Chem Ltd.

Message:

Applications

Washing machine part, Automotive parts, Housewares

Description

SÉETEC M1500 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	E140737-223138		
Features	High Flow		
	High Impact Resistance		
	High Stiffness		
Uses	Automotive Applications		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	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 <sup>1</sup> (Yield)	25.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	300	%	ASTM D638
Flexural Modulus <sup>3</sup>	1200	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	39	J/m	
23°C	110	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 <sup>4</sup>
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	28 mm/min		
4.	Loading 1 (10 N)		

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