

SEETEC PP M1425

Polypropylene Impact Copolymer

LG Chem Ltd.

Message:

Application

Battery Cases, Out door Chairs, Automotive Parts, Housewares

Feature

SEETEC M1425 is a heterophasic polypropylene copolymer for injection molding applications. SEETEC M1425 exhibits a very high stiffness and a good impact strength. SEETEC M1425 meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520 for food contact.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Impact Resistance		
	High Stiffness		
Uses	Automotive Applications		
	Battery Cases		
	Household Goods		
	Outdoor Furnishings		
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)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	26.0	MPa	ASTM D638
Tensile Elongation ² (Break)	100	%	ASTM D638
Flexural Modulus ³	1600	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	151	°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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