

SEETEC PP H1615

Polypropylene Homopolymer
LG Chem Ltd.

Message:

Application: Small electric appliance parts(Coffee Maker, Kettle, Toaster etc)
Description: SEETEC H1615 is a high crystallinity polypropylene homopolymer for injection molding applications. SEETEC H1615 exhibits an excellent stiffness, high heat deflection temperature, superior long term heat resistance and high scratch resistance. SEETEC H1615 meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520 for food contact.

General Information			
UL YellowCard	E140737-548784		
Features	Food Contact Acceptable		
	High Heat Resistance		
	High Scratch Resistance		
	High Stiffness		
	Highly Crystalline		
Uses	Appliances		
	White Goods & Small Appliances		
Agency Ratings	FDA 21 CFR 177.1520		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	37.0	MPa	ASTM D638
Tensile Elongation ² (Break)	100	%	ASTM D638
Flexural Modulus	1900	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	39	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	125	°C	ASTM D648
Vicat Softening Temperature	155	°C	ASTM D1525 ³
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	Loading 1 (10 N)		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

