ULTEM™ AUR200G6 resin

Polyether Imide

SABIC Innovative Plastics Europe

Message:

The data listed in this data sheet are the lower specification limits, apart from the MFR, CTE, HDT at 1.8 MPa, Density, Tensile strain, Water Absorption, Thermal Conductivity and Shrinkage which are typical data. The MVR of this material at 337 degrees C/6.7 kgf will have a specification between 3 and 7.5 (MFR: 4.2-10.5)

General Information			
UL YellowCard	E121562-101772829		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.53	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (337°C/6.6 kg)	7.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow [1]	0.20 to 0.40	%	Internal Method
Water Absorption			ISO 62
Saturation, 23°C	0.90	%	
Equilibrium, 23°C, 50% RH	0.50	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	8000	MPa	ISO 527-2/1
Tensile Stress (Break)	120	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Flexural Modulus [2]	6500	MPa	ISO 178
Flexural Stress	180	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength [3] (23°C)	4.0	kJ/m²	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature [4]			
0.45 MPa, Unannealed, 100 mm Span	205	°C	ISO 75-2/Be
1.8 MPa, Unannealed, 100 mm Span	200	°C	ISO 75-2/Ae
CLTE			ISO 11359-2
Flow : 23 to 150°C	2.5E-5	cm/cm/°C	
Transverse : 23 to 150°C	6.0E-5	cm/cm/°C	
Thermal Conductivity	0.30	W/m/K	ISO 8302
Injection	**Nominal Value**	**Unit**	
Drying Temperature	150	°C	
Drying Time	4.0 to 6.0	hr	
Suggested Max Moisture	0.020	%	
Hopper Temperature	80.0 to 120	°C	
Rear Temperature	350 to 400	°C	

Middle Temperature	360 to 410	°C
Front Temperature	370 to 420	°C
Nozzle Temperature	360 to 410	°C
Processing (Melt) Temp	370 to 410	°C
Mold Temperature	140 to 180	°C

NOTE	
1.	Tensile Bar
2.	2.0 mm/min
3.	80*10*4
4.	120*10*4 mm

Recommended distributors for this material

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

WECHAT