

ULTEM™ RESIN AUR210G6

REGION EUROPE

DESCRIPTION

AUR210G6 is a 30% glass fiber filled grade based on ULTEM recycle.

TYPICAL PROPERTY VALUES

Revision 20231109

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break, 5 mm/min	120	MPa	ISO 527
Tensile Modulus, 1 mm/min	7500	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	180	MPa	ISO 178
Flexural Modulus, 2 mm/min	6500	MPa	ISO 178
THERMAL			
HDT/Be, 0.45MPa Edgew 120*10*4 sp=100mm	212	°C	ISO 75/Be
PHYSICAL			
Density	1.53	g/cm ³	ISO 1183
Mold Shrinkage on Tensile Bar, flow	0.2 – 0.4	%	SABIC method
Melt Volume Rate, MVR at 337°C/6.7 kg	4.5	cm ³ /10 min	ISO 1133
INJECTION MOLDING			
Drying Temperature	150	°C	
Drying Time	4 – 6	Hrs	
Maximum Moisture Content	0.02	%	
Melt Temperature	370 – 410	°C	
Nozzle Temperature	360 – 410	°C	
Front - Zone 3 Temperature	370 – 420	°C	
Middle - Zone 2 Temperature	360 – 410	°C	
Rear - Zone 1 Temperature	350 – 400	°C	
Hopper Temperature	80 – 120	°C	
Mold Temperature	140 – 180	°C	

ADDITIONAL PRODUCT NOTES

No PFAS intentionally added: The grade listed in this document does not contain PFAS intentionally added during Seller's manufacturing process and is not expected to contain unintentional PFAS impurities. Each user is responsible for evaluating the presence of unintentional PFAS impurities.

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