

**Product Texts**

AUR200G6 is a 30% glass fiber filled ULTEM Utility grade. The grade will have a limited color availability, dark gray to black. 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)

UL Yellow Card Link [E121562-101772829](https://www.ulprospector.com/Europe/Plastics/PEI-GF30)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	7.5	g/10min	ASTM D 1238
Temperature	337	°C	-
Load	6.6	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	8000	MPa	ISO 527
Stress at break	120	MPa	ISO 527
Strain at break	3	%	ISO 527
Flexural modulus	6500	MPa	ISO 178
Izod notched impact strength, +23°C, 4mm	4	kJ/m <sup>2</sup>	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Thermal Conductivity	0.3	W/(m K)	DIN 52616

Other properties	Value	Unit	Test Standard
Water absorption	0.9	%	Sim. to ISO 62
Humidity absorption	0.5	%	Sim. to ISO 62
Density	1530	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	150	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	370 - 410	°C	-
Mold temperature	140 - 180	°C	-
Feed temperature	80 - 120	°C	-
Zone 1	350 - 400	°C	-
Zone 2	360 - 410	°C	-
Zone 3	370 - 420	°C	-

**Characteristics**

**Processing**

Injection Molding

**Applications**

Automotive

**Regional Availability**

Europe