

**Product Texts**

30% Glass fiber filled, enhanced flow Polyetherimide (Tg 217C).

**Processing/Physical Characteristics**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	8	cm <sup>3</sup> /10min	ISO 1133
Temperature	360	°C	-
Load	5	kg	-
<b>ASTM Data</b>			
Melt Flow Index, MFI	7.6	g/10min	ASTM D 1238
Temperature	337	°C	-
Load	6.6	kg	-

**Mechanical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	9500	MPa	ISO 527
Stress at break	165	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus	8500	MPa	ISO 178
Charpy impact strength, +23°C	40	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	40	kJ/m <sup>2</sup>	ISO 179/1eU
Izod impact strength, +23°C, 4mm	40	kJ/m <sup>2</sup>	ISO 180/1U
Izod impact strength, -30°C, 4mm	40	kJ/m <sup>2</sup>	ISO 180/1U
Ball indentation hardness	165	MPa	ISO 2039-1
<b>ASTM Data</b>			
Tensile Modulus	9230	MPa	ASTM D 638
Tensile Strength at Yield	168	MPa	ASTM D 638
Tensile Strength at Break	158	MPa	ASTM D 638
Elongation at Break	2	%	ASTM D 638
Izod Impact notched, 1/8 in	85	J/m	ASTM D 256

**Thermal properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Vicat softening temperature, A	225	°C	ISO 306
Vicat softening temperature, B	213	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	220	°C	ISO 306
Thermal Conductivity	0.33	W/(m K)	DIN 52616

**Electrical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Relative permittivity, 1MHz	3.4	-	IEC 62631-2-1
Dissipation factor, 1MHz	23	E-4	IEC 62631-2-1
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Electric strength	35	kV/mm	IEC 60243-1
Comparative tracking index	150	-	IEC 60112

**Other properties**

	Value	Unit	Test Standard
Water absorption	0.9	%	Sim. to ISO 62
Humidity absorption	0.5	%	Sim. to ISO 62
Density	1510	kg/m <sup>3</sup>	ISO 1183
Density	1510	kg/m <sup>3</sup>	ASTM D 792

**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	-

**ULTEM™ Resin AUT200G6**

PEI-GF

Saudi Basic Industries Corporation (SABIC)

Mold temperature	<b>140 - 180</b>	°C	-
Feed temperature	<b>80 - 120</b>	°C	-
Zone 1	<b>350 - 400</b>	°C	-
Zone 2	<b>360 - 410</b>	°C	-
Zone 3	<b>370 - 420</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Applications**

Automotive