CAMPUS® Datasheet

ULTEM™ Resin 2312 - PEI-GF30
SABIC

Product Texts
30% Milled glass filled, enhanced flow Polyetherimide (Tg 217C). ECO Conforming, UL94 V0 and 5VA listing.

UL Yellow Card Link E121562-221100

Rheological properties	Value	Unit	Test Standard
Melt volume-flow rate, MVR	**12**	cm³/10min	ISO 1133
Temperature	**360**	°C	ISO 1133
Load	**5**	kg	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	**6000**	MPa	ISO 527-1/-2
Stress at break	**85**	MPa	ISO 527-1/-2
Strain at break	**3**	%	ISO 527-1/-2
Charpy impact strength, +23°C	**25**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**25**	kJ/m²	ISO 179/1eU

Thermal properties	Value	Unit	Test Standard
Vicat softening temperature, 50°C/h 50N	**211**	°C	ISO 306
Burning behavior at thickness h	**V-0**	class	IEC 60695-11-10
Thickness tested (h)	**0.8**	mm	IEC 60695-11-10

Electrical properties	Value	Unit	Test Standard
Relative permittivity, 1MHz	**3.4**	-	IEC 62631-2-1
Volume resistivity	**1E11**	Ohm*m	IEC 62631-3-1
Surface resistivity	**1E15**	Ohm	IEC 62631-3-2
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/m³	ISO 1183