

CAMPUS® Datasheet

ULTEM™ Resin 2312 - PEI-GF30

SABIC



Product Texts

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

UL Yellow Card Link [E121562-221100](https://www.ulprospector.com/2312)

Rheological properties	Value	Unit	Test Standard
Melt volume-flow rate, MVR	12	cm ³ /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/m ²	ISO 179/1eU
Charpy impact strength, -30°C	25	kJ/m ²	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/m ³	ISO 1183

Any sale by SABIC, its subsidiaries and affiliates (each a "seller"), is made exclusively under seller's standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NONINFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer's particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right.

© 2022