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Compound based on Glycol modified Polyethylene Terephthalate (PET-G). Flame retardant, UL94 V-0 class, free of halogens-based flame retardants and red phosphorous.

Revision  
**1.1**

Product  
**PETG**  
Flame retardant  
**VO**

		STANDARD	UNIT	TYPICAL VALUE
<b>PHYSICAL PROPERTIES</b>	Density	ISO 527	g/cc	<b>1.25</b>
<b>MECHANICAL PROPERTIES</b>	Tensile Strength, Break	ISO 527	MPa	<b>34</b>
	Tensile Modulus	ISO 527	MPa	<b>2600</b>
	Tensile Elongation, Break	ISO 527	%	<b>5</b>
	Flexural Strength	ISO 178	MPa	<b>79</b>
	Flexural Modulus	ISO178	MPa	<b>2354</b>
<b>THERMAL PROPERTIES</b>	Glass Transition Temperature (Tg)	DSC	°C	<b>70</b>
	Deflection Temperature at 0.45 MPa (66psi)	ISO 75	°C	<b>80</b>
<b>Flammability rating</b>	3.00 mm thickness, 3D printing	UL94		<b>V-0</b>
	1.50 mm thickness, 3D printing	UL94		<b>V-0</b>
	GWFI - Glow Wire Flammability Index	IEC 60695-2-12		<b>960 @ 1mm</b>
	GWIT - Glow Wire Ignition Test	IEC 60695-2-13		<b>775 @ 1mm</b>

## DATE ISSUED

**MONTH**  
1 2 3 4 5 6 7 **8** 9 10 11 12

**DAY**  
1 2 3 4 5 6 7 8 9 10 **11** 12 13 14 15 16 17  
18 19 20 21 22 23 24 25 26 27 28 29 30 31

**YEAR**  
2021 2022 **2023**

## DISCLAIMER

The technical data contained on this data sheet should not be used to establish specifications limits or used alone as the basis of design. The data provided is not intended to substitute any testing that may be required to determine fitness for any specific use.

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