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Adamant S1 is made of 100% PVDF [Polyvinylidene fluoride], which makes it the ideal industrial-grade printing material. The Adamant S1 offers good thermal and excellent chemical and solvent resistance.

Revision
1.0

Product
ADAMANT

		STANDARD	UNIT	TYPICAL VALUE
PHYSICAL PROPERTIES	Density	ISO 527	g/cc	1.8
MECHANICAL PROPERTIES	Tensile Strength, Break	ISO 527	MPa	58
	Tensile Modulus	ISO 527	MPa	387
	Tensile Elongation, Break	ISO 527	%	>50
	Flexural Strength	ISO 178	MPa	120
	Flexural Modulus	ISO178	MPa	3155
THERMAL PROPERTIES	Glass Transition Temperature (Tg)	DSC	°C	-34
	Continuous Operating Temperature		°C	120
THERMAL PROPERTIES	Flammability Classification (1.5 mm)	IEC 60695-11		V-0

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
2017 2018 **2019**

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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