

Proclad Standard Grade



Technical Properties

Physical Properties	Test	Unit	Result
1. Specific gravity	ISO 1183	g/cm ³	0.91
2. Maximum service temp. Upper temp limit (no stronger mechanical stress involved)	-	°C	80
Lower temp limit	-	°C	-20
Mechanical Properties	Test	Unit	Result
1. Elongation at yield	ISO 527	%	7
2. Yield Strength	ISO 527	MPa	26
3. Impact strength	ISO 179	kJ/m ²	no break
4. Notch impact strength	ISO 179	kJ/m ²	45
5. Ball indentation	ISO 2039-1	MPa	50
6. Shore-D	ISO 868	-	67
7. Modulus of elasticity	ISO 527	MPa	1200
Thermal Properties	Test Method	Unit	Result
1. Coefficient of linear thermal expansion	DIN 53752	k ⁻¹	1.6 x 10 ⁻⁴
2. Thermal conductivity	DIN 52612	W/(m*K)	52
Electrical Properties	Test Method	Unit	Result
1. Surface resistivity	IEC 6093	Ω	>10 ¹⁴
2. Dielectric strength	IEC 60243-1	kV/mm	52
Additional Data	Test Method	Unit	Result
1. Bondability	-	-	-
2. Food compliance	FDA + EU	-	+
3. Flammability	UL 94	-	-

All The above information is for guide purposes only. The data has been taken from standard test results provided by our manufacturers.

Key:

Yes	Limited	No data
+	o	-