

Technical Data Sheet [TDS]

PA66 Dinalon 30% Glass fibre V0 Halogen free Natu Reference: A1X25 G30V0-0031

Properties	Unit	Method	Value d.a.m.
Physical			
Relative density	g/cm ³	ISO 1183	1.42
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	11000
Stress at yield (5 mm/min)	MPa	ISO 527	140
Strain at break (5 mm/min)	%	ISO 527	3.5
Flexural modulus (2 mm/min)	MPa	ISO 178	9500
Flexural strength (2 mm/min)	MPa	ISO 178	220
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	10
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	70
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	235
VICAT softening temperature	°C	ISO 306	> 230
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	V0
Glow wire flammability index, GWFI (2 mm)	°C	UNE-EN 60695-2-12	960
Processing			
Melt temperature range	°C	-	250-290
Recommended mould temperature	°C	-	70-100
Drying temperature	°C	-	80
Drying time	h	-	2-4

The data submitted here are, to the best of Grupo Repol's knowledge, representative of the range of properties for the listed products, but should not be used to establish process limits or used as the direct basis of design. Colorants or other additives may alter these properties. The data are given for natural grade unless otherwise specified.

Last update: 06/ 2014



