

Technical Data Sheet [TDS]

PA66 Dinalon 30% GF V0 Halogen free Black

Reference: A1X25 G30V0-4129

Properties	Unit	Method	Value d.a.m.
Physical			
Relative density	g/cm ³	ISO 1183	1.41
Humidity	%	ISO 15512-B	< 0.25
Mould shrinkage, parallel	%	ISO 294-4	0,3 - 0,4
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	10000
Stress at yield (5 mm/min)	MPa	ISO 527	120
Strain at break (5 mm/min)	%	ISO 527	2.5
Flexural modulus (2 mm/min)	MPa	ISO 178	8500
Flexural strength (2 mm/min)	MPa	ISO 178	185
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	7
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	45
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	240
VICAT softening temperature	°C	ISO 306	> 230
Flammability classification (0.8 mm)	V0-V1-V2-HB	UL 94	V0
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
Glow wire ignition test, GWIT (2 mm)	°C	UNE-EN 60695-2-13	775
Electrical			
Comparative Tracking Index (CTI)	V	UNE EN 60112	500
Processing			
Melt temperature range	°C	-	250-280
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: 02/ 2013



