


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B1X25 G30V0 UV-9016
PRODUCT DESCRIPTION

PA6 Dinalon, 30% Glass fibre, V0 Halogen free, UV stabilized, RAL 9016

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.45
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	9000
Stress at break (5 mm/min)	MPa	ISO 527	110
Strain at break (5 mm/min)	%	ISO 527	1,9
Flexural modulus (2 mm/min)	MPa	ISO 178	9700
Flexural strength (2 mm/min)	MPa	ISO 178	162
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	6
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	40
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	196
VICAT softening temperature	°C	ISO 306	> 200
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

UPDATE DATE

may.-2018

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.




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PROPERTIES	UNITS	METHOD	VALUE D.A.M
Processing			
Melt temperature range	°C	-	230-270
Recommended mould temperature	°C	-	60-90
Drying temperature	°C	-	80
Drying time	h	-	4

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