PA
Dinalon®

Repol

TECHNICAL DATA SHEET [TDS]

PA6 Dinalon **REFERENCE: B1X25 G35 S-6116**

PRODUCT DESCRIPTION

PA6 Dinalon, 35% Glass fibre, Improved surface, Green

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm³	ISO 1183	1,47
Humidity	%	ISO 15512-B	<0,25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	11000
Stress at break (5 mm/min)	MPa	ISO 527	150
Strain at break (5 mm/min)	%	ISO 527	2,6
Flexural modulus (2 mm/min)	MPa	ISO 178	10900
Flexural strength (2 mm/min)	MPa	ISO 178	226
Charpy notched impact strength (23ºC)	kJ/m²	ISO 179/1eA	10
Charpy unnotched impact strength (23ºC)	kJ/m²	ISO 179/1eU	60
Thermal			
Heat deflection temperature HDT (1.80 MPa)	ºC	ISO 75-A	205
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB
Glow wire flammability index, GWFI (2 mm)	ºC	UNE-EN 60695-2-12	800
Glow wire flammability index, GWFI (1 mm)	ºC	UNE-EN 60695-2-12	750
Glow wire flammability index, GWFI (3 mm)	ºC	UNE-EN 60695-2-12	850

UPDATE DATE jun.-2018

The data submited 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	ºC	-	260 - 280
Recommended mould temperature	ºC	-	80 - 95
Drying temperature	ºC	-	80
Drying time	h	-	4

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