


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B1X25 G35 S-7016
PRODUCT DESCRIPTION

PA6 Dinalon, 35% Glass fibre, Improved surface, RAL 7016

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1,44
Humidity	%	ISO 15512-B	<0,25
Mould shrinkage, parallel	%	ISO 294-4	0,15-0,45
Mould shrinkage, normal	%	ISO 294-4	0,60-1,00
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	11500
Stress at break (5 mm/min)	MPa	ISO 527	130
Strain at break (5 mm/min)	%	ISO 527	1,8
Flexural strength (2 mm/min)	MPa	ISO 178	175
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	40
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	205
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB
Glow wire flammability index, GWFI (2 mm)	°C	UNE-EN 60695-2-12	750
Glow wire flammability index, GWFI (1 mm)	°C	UNE-EN 60695-2-12	750
Glow wire flammability index, GWFI (3 mm)	°C	UNE-EN 60695-2-12	850

UPDATE DATE

oct.-2017

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	-	260 - 275
Recommended mould temperature	°C	-	80 - 95
Drying temperature	°C	-	80
Drying time	h	-	4

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