


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B2X25 G35 S-9003
PRODUCT DESCRIPTION

PA6 Dinalon, 35% Glass fibre, Improved surface, RAL 9003

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1,50
Humidity	%	ISO 15512-B	<0,12
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	11300
Stress at break (5 mm/min)	MPa	ISO 527	168
Strain at break (5 mm/min)	%	ISO 527	3
Flexural modulus (2 mm/min)	MPa	ISO 178	10500
Flexural strength (2 mm/min)	MPa	ISO 178	275
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	14
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	80
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	210
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

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	-	255 - 270
Recommended mould temperature	°C	-	80 - 100
Drying temperature	°C	-	80
Drying time	h	-	4

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