


TECHNICAL DATA SHEET [TDS]
PA66 Dinalon
REFERENCE: A1X20 G30V0 H-4381
PRODUCT DESCRIPTION

PA66 Dinalon, 30% Glass fibre, V0 Halogen free, Heat stabilized, Black, EN45545

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1,44
Humidity	%	ISO 15512-B	< 0.10
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	10500
Stress at break (5 mm/min)	MPa	ISO 527	110
Strain at break (5 mm/min)	%	ISO 527	2,2
Flexural strength (2 mm/min)	MPa	ISO 178	180
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	44
Rheological			
Melt flow index M.F.I. (235°C, 2.16 kg)	g/10min	ISO 1133	20

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
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	239
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	800
Limiting Oxygen Index (LOI)	%	ISO 4589-2	>=32
European Railway Certification R22	HL1-HL2-HL3	EN 45545-2	HL3
European Railway Certification R23	HL1-HL2-HL3	EN 45545-2	HL3
Processing			
Melt temperature range	°C	-	255-290
Recommended mould temperature	°C	-	70-100
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

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