


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B2S30 V0 UV-0232
PRODUCT DESCRIPTION

PA6 Dinalon, V0 Halogen free, UV stabilized, Natural, EN45545

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.14
Humidity	%	ISO 15512-B	< 0.10
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	3300
Stress at break (50 mm/min)	MPa	ISO 527	54
Strain at yield (50 mm/min)	%	ISO 527	3,4
Strain at break (50 mm/min)	%	ISO 527	23
Flexural strength (2 mm/min)	MPa	ISO 178	72
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	6,5
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	70
Rheological			
Melt flow index M.F.I. (235°C, 2.16 kg)	g/10min	ISO 1133	2
Relative viscosity (HCOOH, 90%)	-	ISO 1628	4

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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Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	50
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	V0
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			
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

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