


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B1S25 G30 HS-4182
PRODUCT DESCRIPTION

PA6 Dinalon, 30% Glass fibre, Heat stabilized, Improved surface, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.36
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	9200
Stress at break (5 mm/min)	MPa	ISO 527	144
Strain at break (5 mm/min)	%	ISO 527	2,7
Flexural modulus (2 mm/min)	MPa	ISO 178	8500
Flexural strength (2 mm/min)	MPa	ISO 178	218
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	11
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	60
Tensile Strain at yield (5mm/min)	%	ISO 527	148
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	197
VICAT softening temperature	°C	ISO 306	> 200
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB

UPDATE DATE

ago.-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	-	255-290
Recommended mould temperature	°C	-	60-90
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

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