PA
Dinalon®

Repol

TECHNICAL DATA SHEET [TDS]

PA66 Dinalon **REFERENCE: A1S25 G40 M-0009**

PRODUCT DESCRIPTION

PA66 Dinalon 40% Glass fibre, Low friction, Nature

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm³	ISO 1183	1.46
Humidity	%	ISO 15512-B	<0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	12500
Stress at break (5 mm/min)	MPa	ISO 527	200
Strain at break (5 mm/min)	%	ISO 527	3,4
Flexural modulus (2 mm/min)	MPa	ISO 178	11700
Flexural strength (2 mm/min)	MPa	ISO 178	300
Charpy notched impact strength (23ºC)	kJ/m²	ISO 179/1eA	13
Charpy unnotched impact strength (23ºC)	kJ/m²	ISO 179/1eU	90
Thermal			
Heat deflection temperature HDT (1.80MPa)	ºC	ISO 75-A	248
Melting point	ºC	ISO 11357	262
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB
Burning rate	mm/min	ISO 3795	<100

UPDATE DATE jun.-2018

The data submited 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	ºC	-	270-295
Recommended mould temperature	ºC	-	85-100
Drying temperature	ºC	-	80
Drying time	h	-	2 - 4

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