PA
Dinalon®

Repol

TECHNICAL DATA SHEET [TDS]

PA6 Dinalon **REFERENCE: B2S25 G30 HUV-3002**

PRODUCT DESCRIPTION

PA6 Dinalon, 30% Glass fibre, Heat stabilized, UV stabilized, RAL 3002

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm³	ISO 1183	1.36
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	8000
Stress at break (5 mm/min)	MPa	ISO 527	118
Tensile Stress at yield (5mm/min)	Mpa	ISO 527	123
Tensile Strain at yield (5mm/min)	%	ISO 527	2,6
Strain at break (5 mm/min)	%	ISO 527	2,8
Flexural modulus (2 mm/min)	MPa	ISO 178	7900
Flexural strength (2 mm/min)	MPa	ISO 178	193
Charpy notched impact strength (23ºC)	kJ/m²	ISO 179/1eA	7
Charpy unnotched impact strength (23ºC)	kJ/m²	ISO 179/1eU	45
Thermal			
VICAT softening temperature	ºC	ISO 306-B50	201

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	-	245-270
Recommended mould temperature	ºC	-	60-90
Drying temperature	ºC	-	80
Drying time	h	-	2 - 4

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