PA
Dinalon®

Repol

TECHNICAL DATA SHEET [TDS]

PA6 Dinalon **REFERENCE: B1S25 B30 UV-9242**

PRODUCT DESCRIPTION

PA6 Dinalon, 30% Glass beads, UV stabilized, White

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm³	ISO 1183	1,35
Humidity	%	ISO 15512-B	<0,25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	3800
Stress at break (5 mm/min)	MPa	ISO 527	55
Tensile Stress at yield (5mm/min)	Mpa	ISO 527	50
Tensile Strain at yield (5mm/min)	%	ISO 527	3,3
Strain at break (5 mm/min)	%	ISO 527	12
Flexural modulus (2 mm/min)	MPa	ISO 178	3800
Flexural strength (2 mm/min)	MPa	ISO 178	100
Charpy notched impact strength (23ºC)	kJ/m²	ISO 179/1eA	3
Rheological			
Melt flow index M.F.I. (235ºC, 5 kg)	g/10min	ISO 1133	97
Thermal			
Heat deflection temperature HDT (1.80 MPa)	ºC	ISO 75-A	> 60
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB

UPDATE DATE abr.-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			
Average injection temperature	ºC	-	245-275
Recommended mould temperature	ºC	-	60-90
Drying temperature	ºC	-	80
Drying time	h	-	3 - 4

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