


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B3S30-0025
PRODUCT DESCRIPTION

PA6 Dinalon, Natural

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.13
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2600
Stress at break (50 mm/min)	MPa	ISO 527	44
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	70
Tensile Strain at yield (50mm/min)	%	ISO 527	4
Strain at break (50 mm/min)	%	ISO 527	>12
Flexural modulus (2 mm/min)	MPa	ISO 178	2500
Flexural strength (2 mm/min)	MPa	ISO 178	105
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	4,5
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	NB
Rheological			
Relative viscosity (HCOOH, 90%)	-	-	3,1
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	55
Melting point	°C	ISO 11357	221

UPDATE DATE

jun.-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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PROPERTIES	UNITS	METHOD	VALUE D.A.M
Processing			
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

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jun.-2018

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