


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B3S35-0013
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	3000
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	75
Stress at break (50 mm/min)	MPa	ISO 527	45
Strain at break (50 mm/min)	%	ISO 527	> 40
Flexural modulus (2 mm/min)	MPa	ISO 178	2200
Flexural strength (2 mm/min)	MPa	ISO 178	100
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%)	-	-	3.6
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	55
VICAT softening temperature	°C	ISO 306	> 200
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB

UPDATE DATE

nov.-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.




TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B3S35-0013
PRODUCT DESCRIPTION

PA6 Dinalon, Natural

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

UPDATE DATE

nov.-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.

