


TECHNICAL DATA SHEET [TDS]
PA66 Dinalon
REFERENCE: A3S25-0039
PRODUCT DESCRIPTION

PA66 Dinalon, Natural

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.14
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	3300
Stress at break (50 mm/min)	MPa	ISO 527	62
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	82
Tensile Strain at yield (50mm/min)	%	ISO 527	3,8
Strain at break (50 mm/min)	%	ISO 527	>14
Flexural modulus (2 mm/min)	MPa	ISO 178	3200
Flexural strength (2 mm/min)	MPa	ISO 178	100
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	3,5
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	NB
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	59
VICAT softening temperature	°C	ISO 306	> 230
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	V2
Glow wire flammability index, GWFI (1 mm)	°C	UNE-EN 60695-2-12	750

UPDATE DATE

dic.-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.




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PROPERTIES	UNITS	METHOD	VALUE D.A.M
Electrical			
Comparative Tracking Index (CTI)	V	UNE EN 60112	600
Processing			
Melt temperature range	°C	-	250-270
Recommended mould temperature	°C	-	70-90
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

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