


TECHNICAL DATA SHEET [TDS]
PA66 Dinalon
REFERENCE: A1X25 G25MI LTC-4101
PRODUCT DESCRIPTION

PA66 Dinalon 25% Glass fibre Medium impact low thermal conductivity Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.07
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	4300
Stress at break (5 mm/min)	MPa	ISO 527	75
Strain at break (5 mm/min)	%	ISO 527	3.1
Flexural modulus (2 mm/min)	MPa	ISO 178	3980
Flexural strength (2 mm/min)	MPa	ISO 178	123
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	10
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	40
Thermal			
Thermal Conductivity in plane	W/mK	ASTM E1461	0,19
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB
Processing			
Melt temperature range	°C	-	255-290
Recommended mould temperature	°C	-	70-100
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

UPDATE DATE

jul.-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.

