


TECHNICAL DATA SHEET [TDS]
PA66 Dinalon
REFERENCE: A1X25 G35 HHY-4102
PRODUCT DESCRIPTION

PA66 Dinalon, 35% Glass fibre, Heat stabilized, Hydrolysis resistant, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.40
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	11200
Stress at break (5 mm/min)	MPa	ISO 527	162
Strain at break (5 mm/min)	%	ISO 527	2,5
Flexural modulus (2 mm/min)	MPa	ISO 178	10700
Flexural strength (2 mm/min)	MPa	ISO 178	235
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	9
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	50
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	247
VICAT softening temperature	°C	ISO 306	>200
Flammability classification (1.6 mm)	V0-V1-V2-HB	UL 94	HB
Burning rate	mm/min	ISO 3795	<100

UPDATE DATE

may.-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.




TECHNICAL DATA SHEET [TDS]
PA66 Dinalon
REFERENCE: A1X25 G35 HHY-4102
PRODUCT DESCRIPTION

PA66 Dinalon, 35% Glass fibre, Heat stabilized, Hydrolysis resistant, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Processing			
Melt temperature range	°C	-	265-295
Recommended mould temperature	°C	-	80-100
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

UPDATE DATE

may.-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.

