

Technical Data Sheet [TDS]

PA66 Dinalon Medium impact Heat stabilized Natur Reference: A2X25 MI H-0055

Properties	Unit	Method	Value d.a.m.
Physical			
Relative density	g/cm ³	ISO 1183	1.10
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2500
Stress at yield (50 mm/min)	MPa	ISO 527	60
Strain at break (50 mm/min)	%	ISO 527	> 20
Flexural strength (2 mm/min)	MPa	ISO 178	80
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	18
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	NB
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	66
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB
Processing			
Melt temperature range	°C	-	250-265
Recommended mould temperature	°C	-	60-90
Drying temperature	°C	-	80
Drying time	h	-	2-4

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.

Last update: 04/ 2015



