

## Technical Data Sheet [TDS]

## PA66 Dinalon Black

Reference: A1S25 M402-4160

Properties	Unit	Method	Value d.a.m.
<b>Physical</b>			
Relative density	g/cm <sup>3</sup>	ISO 1183	1.49
Humidity	%	ISO 15512-B	< 0.25
Mould shrinkage, parallel	%	ISO 294-4	1.4
<b>Mechanical</b>			
Tensile modulus (1 mm/min)	MPa	ISO 527	6700
Stress at yield (5 mm/min)	MPa	ISO 527	75
Strain at break (5 mm/min)	%	ISO 527	2.5
Flexural strength (2 mm/min)	MPa	ISO 178	115
Charpy notched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1eA	4
Charpy unnotched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1eU	40
<b>Thermal</b>			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	>125
VICAT softening temperature	°C	ISO 306	> 230
Glow wire flammability index, GWFI (2 mm)	°C	UNE-EN 60695-2-12	700
<b>Electrical</b>			
Comparative Tracking Index (CTI)	V	UNE EN 60112	525
<b>Processing</b>			
Melt temperature range	°C	-	255-280
Recommended mould temperature	°C	-	70-100
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: 11/ 2014



