

## Technical Data Sheet [TDS]

PA66 Black

Reference: A1S25 C20-4152

Properties	Unit	Method	Value d.a.m.
<b>Physical</b>			
Relative density	g/cm <sup>3</sup>	ISO 1183	1.22
Humidity	%	ISO 15512-B	< 0.25
<b>Mechanical</b>			
Tensile modulus (1 mm/min)	MPa	ISO 527	16000
Stress at yield (5 mm/min)	MPa	ISO 527	210
Strain at break (5 mm/min)	%	ISO 527	2
Flexural strength (2 mm/min)	MPa	ISO 178	275
Charpy notched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1eA	7
<b>Thermal</b>			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	250
<b>Electrical</b>			
Surface resistivity	Ohm	IEC 60093	< 2.10E+3
<b>Processing</b>			
Melt temperature range	°C	-	255-290
Recommended mould temperature	°C	-	70-100
Drying temperature	°C	-	90
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: 03/ 2015



