

## Technical Data Sheet [TDS]

## POM Black Dinaform

Reference: POMC2S15-4183

Properties	Unit	Method	Value d.a.m.
<b>Physical</b>			
Relative density	g/cm <sup>3</sup>	ISO 1183	1.41
<b>Mechanical</b>			
Tensile modulus (1 mm/min)	MPa	ISO 527	2500
Stress at yield (50 mm/min)	MPa	ISO 527	60
Strain at yield (50 mm/min)	%	ISO 527	10
Strain at break (50 mm/min)	%	ISO 527	>25
Flexural modulus (2 mm/min)	MPa	ISO 178	2000
Flexural strength (2 mm/min)	MPa	ISO 178	70
Charpy notched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1 eA	10
Charpy unnotched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1 eU	NB
<b>Rheological</b>			
Melt flow index M.F.I. (190°C, 2,16 kg)	g/10 min	ISO 1133	15
<b>Thermal</b>			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	90
Flammability classification (1.6mm)	VO-V1-V2-HB	UL 94	HB
<b>Processing</b>			
Melt temperature range	°C	-	190-210
Recommended mould temperature	°C	-	60-80
Drying temperature	°C	-	80
Drying time	h	-	3-4

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.

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