

Technical Data Sheet [TDS]

POM Lubricated Natural Dinaform

Reference: POMC2S09 L-0121

Properties	Unit	Method	Value d.a.m.
Physical			
Relative density	g/cm ³	ISO 1183	1.41
Mechanical			
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	16
Strain at break (50 mm/min)	%	ISO 527	30
Flexural modulus (2 mm/min)	MPa	ISO 178	2000
Flexural strength (2 mm/min)	MPa	ISO 178	75
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1 eA	6.5
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1 eU	NB
Rheological			
Melt flow index M.F.I. (190°C, 2,16 kg)	g/10 min	ISO 1133	9
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	90
Flammability classification (1.6mm)	VO-V1-V2-HB	UL 94	HB
Processing			
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.

Last update: 09/ 2013

