

## Technical Data Sheet [TDS]

## POM Copolymer Dinaform Natural

Reference: POMC1S10 G25-0154

Properties	Unit	Method	Value d.a.m.
<b>Physical</b>			
Relative density	g/cm <sup>3</sup>	ISO 1183	1,58
<b>Mechanical</b>			
Tensile modulus (1 mm/min)	MPa	ISO 527	9200
Stress at break (5 mm/min)	MPa	ISO 527	75
Strain at yield (5 mm/min)	%	ISO 527	1,2
Strain at break (5 mm/min)	%	ISO 527	1,3
Flexural modulus (2 mm/min)	MPa	ISO 178	7000
Flexural strength (2 mm/min)	MPa	ISO 178	105
Charpy notched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1eA	5,5
<b>Rheological</b>			
Melt flow index M.F.I. (190°C, 5 kg)	g/10 min	ISO 1133	10
<b>Thermal</b>			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	158
VICAT softening temperature	°C	ISO 306-B50	154
<b>Processing</b>			
Melt temperature range	°C	-	185-210
Recommended mould temperature	°C	-	70-95
Drying temperature	°C	-	80-90
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: 05/ 2014



