

## Technical Data Sheet [TDS]

## POM Copolymer Dinaform Natural

Reference: POMC1S08 TF15-0181

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
<b>Mechanical</b>			
Tensile modulus (1 mm/min)	MPa	ISO 527	2500
Stress at break (5 mm/min)	MPa	ISO 527	46
Strain at yield (5 mm/min)	%	ISO 527	8,5
Strain at break (5 mm/min)	%	ISO 527	22
Flexural strength (2 mm/min)	MPa	ISO 178	67
Charpy notched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1eA	5
<b>Rheological</b>			
Melt flow index M.F.I. (190°C, 2,16 kg)	g/10 min	ISO 1133	8
<b>Thermal</b>			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	90
<b>Processing</b>			
Melt temperature range	°C	-	180-200
Recommended mould temperature	°C	-	50-70
Drying temperature	°C	-	80
Drying time	h	-	2-3

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/ 2014



