

## Technical Data Sheet [TDS]

## PC/ABS Dinablend Natural

Reference: PCABS1S15 C-0217

Properties	Unit	Method	Value d.a.m.
<b>Physical</b>			
Relative density	g/cm <sup>3</sup>	ISO 1183	1.24
<b>Mechanical</b>			
Tensile modulus (1 mm/min)	MPa	ISO 527	3200
Stress at break (5 mm/min)	MPa	ISO 527	60
Strain at yield (5 mm/min)	%	ISO 527	4
Strain at break (5 mm/min)	%	ISO 527	10
Flexural strength (2 mm/min)	MPa	ISO 178	65
Charpy notched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1eA	7
Charpy unnotched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1eU	80
<b>Rheological</b>			
Melt flow index M.F.I. (260°C, 5 kg)	g/10min	ISO 1133	4
<b>Thermal</b>			
VICAT softening temperature	°C	ISO 306-B50	136
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB
<b>Electrical</b>			
Surface resistivity	Ohm	IEC 60093	10E4
<b>Processing</b>			
Melt temperature range	°C	-	225 - 250
Recommended mould temperature	°C	-	50 - 75
Drying temperature	°C	-	100
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



