

## Technical Data Sheet [TDS]

PC/ABS Dinablend Red RAL 3000

Reference: PCABS1S25 V0-3000

Properties	Unit	Method	Value d.a.m.
<b>Physical</b>			
Relative density	g/cm <sup>3</sup>	ISO 1183	1,20
<b>Mechanical</b>			
Tensile modulus (1 mm/min)	MPa	ISO 527	2500
Stress at break (50 mm/min)	MPa	ISO 527	61
Strain at yield (50 mm/min)	%	ISO 527	5
Strain at break (50 mm/min)	%	ISO 527	>95
Flexural strength (2 mm/min)	MPa	ISO 178	88
Charpy notched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1eA	15
Charpy unnotched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1eU	NB
<b>Rheological</b>			
Melt flow index M.F.I. (260°C, 5 kg)	g/10min	ISO 1133	25
<b>Thermal</b>			
VICAT softening temperature	°C	ISO 306-B50	130
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	V0
Glow wire flammability index, GWFI (2 mm)	°C	UNE-EN 60695-2-12	960
<b>Processing</b>			
Melt temperature range	°C	-	240-280
Recommended mould temperature	°C	-	80-100
Drying temperature	°C	-	110
Drying time	h	-	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: 08/ 2014



