

## Technical Data Sheet [TDS]

PC/ABS Grey RAL 7035 Dinablend

Reference: PCABS1S15 V0-7035

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	2600
Stress at yield (50 mm/min)	MPa	ISO 527	55
Strain at yield (50 mm/min)	%	ISO 527	7
Strain at break (50 mm/min)	%	ISO 527	>15
Flexural modulus (2 mm/min)	MPa	ISO 178	2200
Flexural strength (2 mm/min)	MPa	ISO 178	80
Charpy notched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1eA	45
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	35
<b>Thermal</b>			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	82
VICAT softening temperature	°C	ISO 306-B50	93
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	-	60-100
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.

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