

Technical Data Sheet [TDS]

PPS Dinatron Black

Reference: PPS3S25 G40-4205

Properties	Unit	Method	Value d.a.m.
Physical			
Relative density	g/cm ³	ISO 1183	1.65
Mechanical			
Stress at yield (5 mm/min)	MPa	ISO 527	194
Strain at break (5 mm/min)	%	ISO 527	1.7
Flexural modulus (2 mm/min)	MPa	ISO 178	15800
Flexural strength (2 mm/min)	MPa	ISO 178	305
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	11
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	50
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	>260
Flammability classification (0.8 mm)	V0-V1-V2-HB	UL 94	V0
Electrical			
Volume resistivity	Ohm·cm	IEC 60093	10 ¹⁴
Processing			
Melt temperature range	°C	-	300-320
Recommended mould temperature	°C	-	130-150
Drying temperature	°C	-	130
Drying time	h	-	3-4

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/ 2013



