

## Technical Data Sheet [TDS]

## PPS Black Dinatron

Reference: PPS3S25 GM65-0146

Properties	Unit	Method	Value d.a.m.
<b>Physical</b>			
Relative density	g/cm <sup>3</sup>	ISO 1183	1.97
Mould shrinkage, parallel	%	ISO 294-4	0.2
Mould shrinkage, normal	%	ISO 294-4	0.6
Water absorption (immersion)	%	ISO 62	0.02
<b>Mechanical</b>			
Stress at break (5 mm/min)	MPa	ISO 527	130
Strain at break (5 mm/min)	%	ISO 527	0.8
Flexural modulus (2 mm/min)	MPa	ISO 178	22000
Flexural strength (2 mm/min)	MPa	ISO 178	210
Charpy notched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1eA	8
Charpy unnotched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1eU	18
<b>Thermal</b>			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	>260
Melting point	°C	ISO 11357	278
Flammability classification (0.8 mm)	V0-V1-V2-HB	UL 94	V0
<b>Electrical</b>			
Volume resistivity	Ohm·m	IEC 60093	10E14
Dielectric strength	MV/m	IEC 243-1	
<b>Processing</b>			
Melt temperature range	°C	-	300-340
Recommended mould temperature	°C	-	130-160
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.

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