



TECHNICAL DATA SHEET [TDS]

PPS Dinatron

REFERENCE: PPS3S25 G40-4205

PRODUCT DESCRIPTION

PPS Dinatron, 40% Glass fibre, Black

PROPERTIES	UNITS	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			
Melting point	°C	ISO 11357	278
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	>260
Flammability classification (0.8 mm)	V0-V1-V2-HB	UL 94	V0
Burning rate	mm/min	ISO 3795	<100
Electrical			
Volume resistivity	Ohm-cm	IEC 60093	10E14

UPDATE DATE

jul.-2018

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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PROPERTIES	UNITS	METHOD	VALUE D.A.M
Processing			
Melt temperature range	°C	-	300-320
Recommended mould temperature	°C	-	130-150
Drying temperature	°C	-	130
Drying time	h	-	3 - 4

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