


TECHNICAL DATA SHEET [TDS]
PP Dinaplen
REFERENCE: PPH1S02 V2 HUV-7035
PRODUCT DESCRIPTION

PP Homopolymer Dinaplen, V2 Halogen free, Heat stabilized, UV stabilized, RAL 7035

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	0,94
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	1500
Stress at yield (50 mm/min)	MPa	ISO 527	34
Strain at yield (50 mm/min)	%	ISO 527	9,5
Strain at break (50 mm/min)	%	ISO 527	>25
Flexural strength (2 mm/min)	MPa	ISO 178	42
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	6
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	NB
Rheological			
Melt flow index M.F.I. (190°C, 10 kg)	g/10 min	ISO 1133	9

UPDATE DATE

sep.-2017

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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Thermal			
VICAT softening temperature	°C	ISO 306-A50	156
VICAT softening temperature	°C	ISO 306-B50	94
Flammability classification (0.8 mm)	V0-V1-V2-HB	UL 94	V2
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	V2
Glow wire flammability index, GWFI (1 mm)	°C	UNE-EN 60695-2-12	960
Glow wire flammability index, GWFI (2 mm)	°C	UNE-EN 60695-2-12	960
Glow wire flammability index, GWFI (3 mm)	°C	UNE-EN 60695-2-12	960
Glow wire ignition test, GWIT (1 mm)	°C	UNE-EN 60695-2-13	750
Burning rate	mm/min	ISO 3795	<100
Glow wire ignition test, GWIT (2 mm)	°C	UNE-EN 60695-2-13	750
Glow wire ignition test, GWIT (3 mm)	°C	UNE-EN 60695-2-13	750
Ball pressure test (125°C)	-	UNE-EN 60695-10-2	pass
Electrical			
Comparative tracking index (CTI)	V	IEC 112	600
Processing			
Melt temperature range	°C	-	175 - 210
Recommended mould temperature	°C	-	15 - 60

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