



TECHNICAL DATA SHEET [TDS]

PP Dinaplen

REFERENCE: PPC3S15 E-0999

PRODUCT DESCRIPTION

PP Copolymer Dinaplen, Food contact, Natural

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	0.905
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	1400
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	26
Tensile Strain at yield (50mm/min)	%	ISO 527	4,7
Strain at break (50 mm/min)	%	ISO 527	>70
Flexural modulus (2 mm/min)	MPa	ISO 178	1450
Flexural strength (2 mm/min)	MPa	ISO 178	38
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	NB
Rheological			
Melt flow index M.F.I. (230°C, 2.16 kg)	g/10 min	ISO 1133	12
Thermal			
Heat deflection temperature HDT (0.45 MPa)	°C	ISO 75-B	90
VICAT softening temperature	°C	ISO 306-B50	68
VICAT softening temperature	°C	ISO 306-A50	148

UPDATE DATE

mar.-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	-	175 - 215
Recommended mould temperature	°C	-	10 - 30

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