



TECHNICAL DATA SHEET [TDS]

PP Dinaplen

REFERENCE: PPC3S15-4180

PRODUCT DESCRIPTION

PP Copolymer Dinaplen, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	0.92
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2300
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	35
Stress at break (50 mm/min)	MPa	ISO 527	23
Strain at break (50 mm/min)	%	ISO 527	>20
Flexural modulus (2 mm/min)	MPa	ISO 178	2300
Flexural strength (2 mm/min)	MPa	ISO 178	53
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	4
Tensile Strain at yield (50mm/min)	%	ISO 527	4.8
Rheological			
Melt flow index M.F.I. (230°C, 2.16 kg)	g/10 min	ISO 1133	12
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	60
Processing			
Melt temperature range	°C	-	175-210
Recommended mould temperature	°C	-	10-40

UPDATE DATE

oct.-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.

