

Technical Data Sheet [TDS]

PPC GR Black

Reference: PPC1S10 G10-4137

Properties	Unit	Method	Value d.a.m.
Physical			
Relative density	g/cm ³	ISO 1183	1.0
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	3000
Stress at yield (5 mm/min)	MPa	ISO 527	45
Strain at break (5 mm/min)	%	ISO 527	4
Flexural modulus (2 mm/min)	MPa	ISO 178	2800
Flexural strength (2 mm/min)	MPa	ISO 178	70
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1cA	10
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	35
Rheological			
Melt flow index M.F.I. (230°C, 2.16 kg)	g/10 min	ISO 1133	10
Processing			
Melt temperature range	°C	-	185-240
Recommended mould temperature	°C	-	25-65

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.

Last update: 01/ 2009

