

## Technical Data Sheet [TDS]

PPC GR Black

Reference: PPC1S15 G30-4137

Properties	Unit	Method	Value d.a.m.
<b>Physical</b>			
Relative density	g/cm <sup>3</sup>	ISO 1183	1.14
Ash content	%	ISO 3451	28-33
<b>Mechanical</b>			
Tensile modulus (1 mm/min)	MPa	ISO 527	6400
Stress at break (5 mm/min)	MPa	ISO 527	70
Strain at break (5 mm/min)	%	ISO 527	3
Flexural modulus (2 mm/min)	MPa	ISO 178	5100
Flexural strength (2 mm/min)	MPa	ISO 178	110
Charpy notched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1 eA	12
Charpy unnotched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1 eU	45
<b>Rheological</b>			
Melt flow index M.F.I. (230°C, 2.16 kg)	g/10 min	ISO 1133	15
<b>Thermal</b>			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	140
<b>Processing</b>			
Melt temperature range	°C	-	190-240
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: 04/ 2013

