

Technical Data Sheet [TDS]

ABS Dinarex Black

Reference: S1S15 G30-4247

Properties	Unit	Method	Value d.a.m.
Physical			
Relative density	g/cm ³	ISO 1183	1.28
Ash content	%	ISO 3451	17
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	9200
Stress at break (50 mm/min)	MPa	ISO 527	85
Strain at yield (50 mm/min)	%	ISO 527	1,5
Strain at break (50 mm/min)	%	ISO 527	1,4
Flexural modulus (2 mm/min)	MPa	ISO 178	7000
Flexural strength (2 mm/min)	MPa	ISO 178	125
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	18
Rheological			
Melt flow index M.F.I. (220°C, 10 kg)	g/10min	ISO 1133	11
Thermal			
VICAT softening temperature (50N, 120°C/h)	°C	ISO 306-B120	98
Processing			
Melt temperature range	°C	-	245-275
Recommended mould temperature	°C	-	50-80
Drying temperature	°C	-	80
Drying time	h	-	2

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: 08/ 2012



