

Technical Data Sheet [TDS]

ABS Dinarex Natural

Reference: S3S50 XV0-0215

Properties	Unit	Method	Value d.a.m.
Physical			
Relative density	g/cm ³	ISO 1183	1,16
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2300
Stress at yield (50 mm/min)	MPa	ISO 527	38
Strain at yield (50 mm/min)	%	ISO 527	1,9
Strain at break (50 mm/min)	%	ISO 527	24
Flexural strength (2 mm/min)	MPa	ISO 178	58
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	20
Rheological			
Melt flow index M.F.I. (220°C, 10 kg)	g/10min	ISO 1133	51
Thermal			
VICAT softening temperature	°C	ISO 306-B50	83
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	V0
Processing			
Melt temperature range	°C	-	230-250
Recommended mould temperature	°C	-	30-70
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: 12/ 2014



