



TECHNICAL DATA SHEET [TDS]

ABS Dinarex

REFERENCE: S3S20-0143

PRODUCT DESCRIPTION

ABS Dinarex, Natural

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.04
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2500
Stress at break (50 mm/min)	MPa	ISO 527	36
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	45
Tensile Strain at yield (50mm/min)	%	ISO 527	2,2
Strain at break (50 mm/min)	%	ISO 527	18
Flexural modulus (2 mm/min)	MPa	ISO 178	2600
Flexural strength (2 mm/min)	MPa	ISO 178	73
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	21
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	50
Rheological			
Melt flow index M.F.I. (220°C, 10 kg)	g/10min	ISO 1133	17
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	82
VICAT softening temperature	°C	ISO 306-B50	95
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB

UPDATE DATE

may.-2018

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.




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PROPERTIES	UNITS	METHOD	VALUE D.A.M
Processing			
Melt temperature range	°C	-	230-270
Recommended mould temperature	°C	-	30-70
Drying temperature	°C	-	80
Drying time	h	-	2

UPDATE DATE

may.-2018

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