


TECHNICAL DATA SHEET [TDS]
ABS Dinarex
REFERENCE: S3S35-0143
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 yield (50 mm/min)	MPa	ISO 527	46
Strain at break (50 mm/min)	%	ISO 527	>10
Flexural modulus (2 mm/min)	MPa	ISO 178	2400
Flexural strength (2 mm/min)	MPa	ISO 178	70
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	22
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	NB
Rheological			
Melt flow index M.F.I. (220°C, 10 kg)	g/10min	ISO 1133	38
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	83
VICAT softening temperature	°C	ISO 306-B50	95
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB

UPDATE DATE

oct.-2017

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

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