

Technical Data Sheet [TDS]

ABS Dinarex Yellow RAL 1018

Reference: S1S35 E-1018

Properties	Unit	Method	Value d.a.m.
Physical			
Relative density	g/cm ³	ISO 1183	1.04
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2750
Stress at break (50 mm/min)	MPa	ISO 527	43
Strain at yield (50 mm/min)	%	ISO 527	2,1
Strain at break (50 mm/min)	%	ISO 527	>25
Flexural strength (2 mm/min)	MPa	ISO 178	65
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	18
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	NR
Rheological			
Melt flow index M.F.I. (220°C, 10 kg)	g/10min	ISO 1133	35
Thermal			
VICAT softening temperature	°C	ISO 306-B50	94
Processing			
Melt temperature range	°C	-	210-250
Recommended mould temperature	°C	-	30-70
Drying temperature	°C	-	75
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: 04/ 2014



