

Technical Data Sheet [TDS]

PA66 Natural

Reference: A1X25 V0-0003

Properties	Unit	Method	Value d.a.m.
Physical			
Relative density	g/cm ³	ISO 1183	1.19
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	3700
Stress at break (50 mm/min)	MPa	ISO 527	80
Strain at yield (50 mm/min)	%	ISO 527	4,2
Strain at break (50 mm/min)	%	ISO 527	4,3
Flexural modulus (2 mm/min)	MPa	ISO 178	3000
Flexural strength (2 mm/min)	MPa	ISO 178	112
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1 eA	2
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1 eU	55
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	86
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	V0
Glow wire flammability index, GWFI (1 mm)	°C	UNE-EN 60695-2-12	960
Glow wire ignition test, GWIT (1 mm)	°C	UNE-EN 60695-2-13	775
Processing			
Melt temperature range	°C	-	250-265
Recommended mould temperature	°C	-	70-90
Drying temperature	°C	-	75
Drying time	h	-	2-3

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: 02/ 2014

