

ROBADUR-OS

ROBADUR OS (oxidation stabilized) is oxidation-inhibiting equipped ROBADUR

	Test method	Unit	Value
General properties			
Color	-	-	black
Density	DIN EN ISO 1183	g/cm ³	0,93
Average molecular weight	-	-	-
Flammability	UL94	3/6mm	HB/HB
Water absorption	DIN EN ISO 62	%	<0,01
Mechanical properties			
Yield stress	DIN EN ISO 527-1	MPa	19,16
Elongation at break	DIN EN ISO 527-1	%	>400
Tensile modulus of elasticity	DIN EN ISO 527-1	MPa	539
Notched impact strength	ISO 179-1/1eA	kJ/m ²	no break
Shore hardness	DIN EN ISO 868, 15s	scale D	63
Thermal properties			
Melting temperature	DIN EN ISO 3146	°C	135
Thermal conductivity	ISO 8302	W/(m K)	0,40
Thermal capacity	DIN 51005	kJ/(kg K)	1,90
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ K ⁻¹	150-230
Service temperature, long term	approximate value	°C	-250 ... 90
Service temperature, short term (max.)	approximate value	°C	110
Electrical properties			
Volume resistivity	DIN IEC 60093	Ω cm	>10 ¹⁴
Surface resistivity	DIN IEC 60093	Ω	>10 ¹⁴
Comparative tracking index (test solution A)	DIN EN 60112	CTI	600

Chemical properties: chemically resistant to all aggressive media with the exception of highly oxidising acids. High resistance to corrosion. ROBADUR-OS is completely resistant to all chemicals used in paper production, sieve cleaning and corrosion inhibition.

The data given are standard values, which in our experience are subject to additional technical studies. These values are influenced by the design, processing conditions and environmental influences. The suitability of a material for a given application lies within the responsibility of the operator. Typing and printing errors reserved.