

RIXON-973

	Property	Method	Units	Specification
Physical	Specific gravity (density)	ASTM D 792	g/cm ³	1,13 - 1,17
	Water absorption	ASTM D570	%	0,024
	Color	--	-	Black
Mechanical	Hardness	ASTM D2240	Shore D	42 - 54
	Ball Hardness	ISO 2032-N358	N/mm ²	12 - 26
	Compression strength at 1% deformation (140 Kg/cm ² for 24 hrs. At 23°C)	ASTM D621	Kg/cm ²	≥ ---
	Permanent deformation (after 24 hrs. Relaxation at 23°C)	ASTM D621	%	-----
	Elongation at break	ASTM D4745-11	%	≥ 4,5/15,2
	Tensile strength at break	ASTM D4745-11	MPa	_ ----
	Tensile Modulus	DIN 53457	GPa	nd
	Deformation under load	ASTM D621	%	10,0 - 12,8
	Coefficient of static friction	ASTM D1894		0,04 - 0,09
	Coefficient of dynamic friction	ASTM D1894		0,03 - 0,07
Electrical	Wear factor	ASTM D3702		nd
	Volume resistivity	ASTM D257	Ohm·cm	10 ²
	Dielectric strength	ASTM D149	KV/mm	12,2-15,1
	Dielectric constant (at 60 Hz to 2GHz)	ASTM D150	/	----
Thermal	Surface resistance	ASTM D257	Ohm	10 ³
	Flamability	UL 94		V-0
	Thermal conductivity	ASTM C 177	W / m·K	--
	Melting point	DSC	°C	695 - 757
	Maximum service temperature (Air)	DSC	°C	680
	Minimum service temperature (Air)	DSC	°C	-40
	CTE (Coefficient of linear thermal expansion)	ASTM D696	1/°C*10 ⁻⁵	nd

Note: These information reflect the current state of our knowledge and the purpose is to inform about our products and their applications. They do not assure or guarantee chemical resistance, quality of products and their merchandability in a legally binding way. The corresponding value and information are guideline value that can be used primarily for comparison purposes for material selection. The values are within our range specification and do not represent guaranteed property values. Therefore they shall not be used for specification purposes. It is recommended to use the data as a starting point for the engineering of product correctly. We recommend you always to made a prototype and verify the behavior on real working conditions. None of the informations contained on this tab can be used as absolute value of a project. Our technical department still in your complete disposal for develop new applications.