

Buna® EP basic physical data

Density	g/cm ³	0.86 – 0.87
Thermal properties		
Specific heat	kJ/kg • K	approx. 2.8
Thermal conductivity	W/m • K	approx. 0.3
Thermal diffusivity	cm ² /s	approx. 0.0012
Electrical properties		
Electrical resistivity	Ohm • cm	10 ¹⁵
Dielectric constant	r	3 – 4
Dissipation factor	tan	0.2 – 0.8
Corona discharge resistance	-	very good
Gas permeability		
Air	10 ⁸ cm ² /s • bar	8.6
Hydrogen	10 ⁸ cm ² /s • bar	29 – 111
Nitrogen	10 ⁸ cm ² /s • bar	6.4
Helium	10 ⁸ cm ² /s • bar	19.7
Gas permeability rating	-	fair to good

Buna is a registered trademark in many countries of the world.

This information and our technical advice – whether verbal, in writing or by way of trials – are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to check its validity and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sale and Delivery.