

## TECHNICAL INFORMATION

08-2010

### Dielectric strength:

Typical values for a thickness of 1.5mm

Gasket Material	Dielectric Strength*	
	kV/mm	V/mil
TESNIT		
BA-GL	22	559
BAU 2000	22	559
BA-U	20	508
BA-S	20	508
BA-Auto	20	508
BA-50	17	432
BA-203	16	406
BA-C	16	406
BA-202	15	381
BA-CF	<2	<51
BA-F	<2	<51
Doniflex GLD	<0.1	<3
Doniflex GMD	<0.1	<3

\*ASTM D149-09 - 40h/23°C/50% RH

Dielectric strength is a property of an insulating material and it is defined as the ratio of the breakdown voltage to the material's thickness. Breakdown voltage is the maximum voltage a material can withstand before a conducting path forms through it.

Factors influencing dielectric strength:

- moisture content
- thickness of the specimen
- temperature
- surface coating

All information data are based on years of experience in production and operation of sealing elements. However, in view of the wide variety of possible installation and operating conditions one cannot draw final conclusions in all application cases regarding the behavior in gasket joint. The data may not, therefore, be used to support any warranty claims.  
Whenever there is any doubt, our staff will be pleased to assist you in finding the optimum sealing solutions.

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