

FACT FILE



Technical Data Sheet EIL0100 Issue 1.0

Typical Mechanical Properties for PVC Inflatable Bladder Material

Properties of parts in optimum condition	Measurement method	Unit	Value
Density	DIN 53 479	g / ccm	1,15 ±0,02
Hardness according to Shore A +23°C, 3"	DIN 53 505		55
Hardness according to Shore A +23°C, 15"	DIN 53 505		52
Hardness according to Shore D +23°C, 3"	DIN 53 505		-
Hardness according to Shore D +23°C, 15"	DIN 53 505		-
Tensile Strength	DIN 53 455	N / mm ²	6,5
Breaking Tension	DIN 53 455	%	480
Tearing Resistance	ISO 34 Method B Conducted acc. to a	N / mm	18
Cold fracturing temperature		°C	No fracture down to -45°C
Combustion Rate	ISO 3795 (US-MVSS 302)	mm / min	-
Combustion Residue	DIN 53 568	%	-
Jelling Temperature		°C	180 to 220
Raw material basis	PVC with K-Value 70, Cadmium-free stabilized		

IMPORTANT NOTICE:

This information is given in good faith and may be subject to variation. Please remember that the suitability of a particular material for a particular application depends upon a number of factors including all or some of the following: temperature, composition and concentrations chemicals, mixtures of chemical mixtures, duration of exposure and mechanical agitation. The above information assumes a temperature span of -10C to +40C, the maximum peak short term exposure temperature is 110C. Please note that Environmental Innovations Limited cannot accept any responsibility whatsoever for the use of this information consequential or otherwise. If in doubt a sample of the material should be tested before use.