

EP-09 EPDM Inflatable Grade

MATERIAL	Ethylene propylene diene monomer rubber
DESCRIPTION	EPDM's have good resistance to ozone, ageing and weather conditions. They are suitable for HFC oils & HFD flame retardant hydraulic oils and brake fluids and have exceptional resistance to hot water, steam and acids.
APPLICATION	The compound is specifically designed to be used in inflatable seals, offering a good compression set and excellent elongation.
TEMPERATURE	The temperature range is between – 25°C and 120 °C

Maximum and minimum working temperature is depending on the specific application criteria

PHYSICAL PROPERTIES	TEST METHOD	UNIT	VALUE
Color			Black
Polymer		EPDM	EPDM
Density	ASTM D 792 at 23 °C	g/cm3	1,15
Hardness	ASTM D 2240 at 23 °C	Shore A	70 ± 5
Tensile strength at break	ASTM D 412 at 23 °C	Mpa	9,72
Elongation at break	ASTM D 412 at 23°C	%	408
Compression Set	ASTM D 395 at 23°C	%	17
Service temperature range		°C	-25/120

The above values are typical

The information in this datasheet is based on many years of experience in the application of EP-09. However, unknown parameters and conditions may restrict general statements during usage. It is vital that users satisfy themselves as to the suitability of individual products through adequate testing. For this reason and due to the wide range of applications of our products, AST B.V. can accept no liability as to the suitability or correctness of our recommendations in individual cases. The application limits for pressure, temperature and velocity given in this datasheet are maximum values determined in the test laboratory. During practical applications it should be remembered that due to the interaction of the operating parameters, the maximum values must be set correspondingly lower. For exceptional operating conditions, please contact us.