

E7335 EPDM 75 USP VI, KTW

MATERIAL	EPDM 75 Shore FDA 177.2600 & USP Class VI and KTW confirmative
DESCRIPTION	EPDM is a polymer of ethylene, propylene and a small amount of diene Cure system is peroxide FDA compliant to CFR 21 177-2600 and European regulations EC 1935/2004.
APPLICATION	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. Approved to USP Class VI, is USP biological reactivity tested in vivo and extraction tested at 121°C and is FDA compliant to CFR 21 177-2600 and European regulations EC 1935/2004.
TEMPERATURE	The temperature range is between -40°C and 150°C

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

PHYSICAL PROPERTIES	TEST METHOD	UNIT	VALUE
Basic polymer	ISO 1629		EPDM
Hardness	ISO 868	Shore A	75 +/- 5
Specific gravity	ISO 1183-1	g/cm ³	1,17 +/- 0,05
Elongation	DIN 53 504	%	150
Tensile strength	DIN 53 504	Mpa	12,0
Compression set 22h at 100°C	ISO 815	%	15
Temperature range		°C	-40/150
Colour			Black
Storage stability	ISO 2230		± 7 years
Maximum and minimum temperature can be adjusted conform application. For limitations for special applications, please contact AST			

The above values are typical

The information in this datasheet is based on many years of experience in the application of EPDM. 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.