

EPDM 60 Shore A Black

MATERIAL	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.
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. 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.
APPLICATION	They are suitable for HFC oils & HFD flame retardant hydraulic oils and brake fluids and have exceptional resistance to hot water, steam and acids.
TEMPERATURE	The temperature range is between -40° and 150°C

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

PHYSICAL PROPERTIES	TEST METHOD	UNIT	VALUE
Color	/		Black
Elongation at break	ASTMD4894	%	150
Tensile strength	ASTMD4894	Mpa (N/mm ²)	12,2
Specific gravity	ASTMD792	g/cm ³	1,13 +/- 0,05
Service temperature range	/	°C	-40/150
Compression set 22h at 75°C	ASTMD395B	%	15
Storage stability	ISO2230		± 7 years

The above values are typical

The information in this datasheet is based on many years of experience in the application of EPDM 60. 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.