

Typical Characteristics of Vulcanized Rubbers

		Ethylene Propylene Diene Rubber	Epichlorohydrine Rubber	Nitrile Rubber	Hydrogenated Nitrile Rubber	Polyacrylate and Ethylene-Acrylate Rubber	Fluorocarbon Rubber	Silicone Rubber	Fluorosilicone
Abbreviation		EPDM	CO/NEO	NBR	HNBR	ACM/AEM	FPM	VMQ	FVMQ
Hardness Range Shore A		20-95	40-90	30-95	45-98	50-90	40-90	30-85	30-80
Thermal Properties	Low-temperature flexibility down to °C	-50	-35	-30	-45	-30	-20	-65	-45
	Max. service temperature °C	130	130	110	150	150	200	200	200
Restistance Properties	Fuel	Insufficient	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Very Good	Insufficient	Satisfactory
	Mineral Oil (at 100°C)	Insufficient	Very Good	Very Good	Satisfactory	Satisfactory	Very Good	Insufficient	Satisfactory
	Acids (25% sulphuric acid at 50°C)	Very Good	Very Good	Satisfactory	Very Good	Satisfactory	Very Good	Insufficient	Satisfactory
	Water (at 100°C)	Very Good	Satisfactory	Satisfactory	Very Good	Satisfactory	Very Good	Insufficient	Satisfactory
	Weathering and Ozone	Very Good	Very Good	Satisfactory	Very Good	Satisfactory	Very Good	Very Good	Very Good
	Air Impermeability	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Very Good	Insufficient	Satisfactory

Assessment:  Very Good  Satisfactory  Insufficient

This table can only act as a rough indicator/ guide for the characteristics of various types of vulcanized rubber. Please contact the sales team for more specific information.