

天然橡膠製品廠

深圳市寶安區公明田寮天然橡膠廠

橡膠特性比較表

Typical Properties of Rubber Material

		拉力 / Tensile Strength																	
		伸長 / Elongation																	
		彈性 / Rebound Resistance																	
中文名稱	英文名稱	ASTM代號	代號	氟素硅膠	Fluorinated Silicone Rubber	FK	FLS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
天然橡膠	Natural Rubber	AA	NR	異戊橡膠	Polyisoprene Rubber	AA	IR	SBR	BR	IIR	EPDM	CR	NBR	CR	CR	CR	CR	CR	CR
丁苯膠	Styrene Butadiene Rubber	AA	SBR	順丁膠	Polybutadiene Rubber	AA.BA	BR	IIR	EPDM	CR	NBR	CR	NBR	CR	CR	CR	CR	CR	CR
丁基橡膠	Butyl Rubber	BA	IIR	乙丙膠	Ethylene Propylene Rubber	AA.BA.CA.DA	EPDM	CR	EPDM	CR	NBR	CR	NBR	CR	CR	CR	CR	CR	CR
氯丁膠	Polychloroprene Rubber	BC.BE	CR	丁腈膠	Nitrile Rubber	BF.BG.BK.CH	NBR	PU	PU	CSM	CSM	ACM	ACM	ECO	SI	SI	SI	SI	SI
聚氨酯膠	Polyurethane Rubber	CE	CSM	氯磺化聚乙烯膠	Hypalon, Polyethylene	DF.DH.EH	ACM	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO
丙烯酸酯橡膠	Polyacrylate Rubber	CE	CSM	桂橡膠	Epichlorohydrin Rubber	FC.FE.GE	SI	FPM	FPM	VAE	VAE	VAE	VAE	VAE	VAE	VAE	VAE	VAE	VAE
氟素橡膠	Silicone Rubber	HK	VAE	乙烯丙烯橡膠	Fluoro Carbon Rubber	EE	VAE	VAE	VAE	VAE	VAE	VAE	VAE	VAE	VAE	VAE	VAE	VAE	VAE
香港新界葵涌打碑坪街91-95號維京科技商業中心A座5樓05室 電話: (852) 24079002 傳真: (852) 24070708 地址: 中國深圳光明新區公明田寮社區第二工業區48號 電話: (0755) 27199920 27191113 傳真: (0755) 27194422 網址: http://www.naturalrubber.com.hk 電郵: samenchan@naturalrubber.com.hk	<p>● 超 Excellent ● 優 Good ● 差 Limited ● 中 Suitable</p>																		

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GENERAL PURPOSE MATERIALS

ETHYLENE PROPYLENE

Temperature range

Typical Trade Names

NOT RECOMMENDED for exposure to : Petroleum oils and solvents, DI-ester base lubricants

- (EPM,EPDM) ASTM Material Designation: BA,CA,DA

: -80° F to 400° F (-67° C to 204° C)

: VISTALON, EPCAR, NORDEL

NATURAL RUBBER

NOT RECOMMENDED for exposure to : Sunlight, oxygen and ozone, gasoline, oil and copper. Concentrated sulfuric, nitric and chromic acids. Head aging

NEOPRENE

Temperature range

NOT RECOMMENDED for exposure to : Water, phosphates esters, aromatic hydrocarbons, chlorinated solvents and ketone.

- (Chloroprene) (CR) ASTM Material Designation : BC, BE

: -65° F to 300° F (-54° C to 140° C)

NITRILE

Temperature range

NOT RECOMMENDED for exposure to : DI-ester, silicate ester, or phosphate ester hydraulic fluids, automotive brake fluid, acetates, ketones and aromatic fluids.

- (BUNAN) (NBR) ASTM Material Designation : BF, BG, BK, CH

: -66° F to 260° F (-54° C to 121° C)

SBR

Temperature range

NOT RECOMMENDED for exposure to : Solvents and oils

- (STYRANE BUTADIENE) ASTM Material Designation : AA,BA

: -65° F to 225° F (-54° C to 107° C)

SILICONE

Temperature range

NOT RECOMMENDED for exposure to : Petroleum fluids, ketones, and where physical strength or abrasion resistance is required

- (SI) ASTM Material Designation : FC, FE, GF

: -150° F to 500° F (-100° C to 280° C)

ACRYLICS

Temperature range

NOT RECOMMENDED for exposure to : Acids, alkalis, steam or water

- (POLY ACRYLATE)(ACM) ASTM Material Designation : DF, DH

: -40° F to 350° F (-40° C to 177° C)

BUTADIENE

- (BR) ASTM Material Designation : AA

BUTYL

Temperature range

NOT RECOMMENDED for exposure to : Petroleum oils and fuels, DI-ester base lubricants.

- (ISOBUTENE ISOPRENE)(IIR) ASTM Material Designation : AA, BA

: -85° F to 225° F (-84° C to 107° C)

EPICHLORYDRIN

Temperature range

Typical Trade Names

- (CO.ECO) ASTM Material Designation : CH

: -65° F to 225° F (-54° C to 107° C)

: HYDRIN, HERCLOR

Fluorocarbon

Temperature range

Typical Trade Names

NOT RECOMMENDED for exposure to : Katone, esters, anhydrous ammonia, fire resistance fluids such as Skydrol, hot hydrofluoric and chlorosulfonic acids

- (FKM) ASTM Material Designation : HK

: -40° F to 40° F (-40° C to 204° C)

: FLUOREL, VITON

FLUOROSILICONE

Temperature range

(FSI) ASTM Material Designation : FK

: -80° F to 350° F (-67° C to 177° C)

ISOPRENE

- (POLYISOPRENE)(IR) ASTM Material Designation : AA

POLYETHYLENE

Temperature range

Typical Trade Names

- (CHLORSULPHATED POLYETHIENE)(CSM) ASTM Material Designation : CE

: -65° F to 250° F (-54° C to 121° C)

: HYPALON

POLYSULFIDE

Temperature range

Typical Trade Names

- (T) ASTM Material Designation : AK, BK

: -65° F to 225° F (-64° C to 107° C)

: THIOKOL

NOT RECOMMENDED for exposure to : Heat, and where mechanical strength is required

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