

CHIAO YING RUBBER CO., LTD. Address: No.11, Lane 99, Sec.3, Jiauan Rd., Shulin City, Taipei County 238, Taiwan (R.O.C.)

TEL:886-2-26803570 FAX:886-2-26801905 E-MAIL: service@chiaoyingrubber.com http://www.chiaoyingrubber.com

©Excellent

Good

△Fair

XPoor

D 11 35 ()			T	ann.				X1 001
Rubber Material		NR	IR	SBR	BR	CR	IIR	NBR
		Natural	Polyisoprene Rubber	Styrene butadiene	Polbutadiene Rubber	Polychloroprene Rubber	Butyl Rubber	Nitrile Rubber
		Rubber	Kubbei	Rubber	Kubbei	Rubbei		
N	Iain Properties	Excellent	Same as NR's	Better Age	Excellent	Weathering,	Weathering/	Excellent oil
iviam i roperties		abrasion	properties.	resistance	abrasion	Ozone/ heat/	solvent	& abrasion
		resistance.		compare w/	resistance and	chemical	resistanc,low	resistance
				NR.	elasticity.	resistance	gas perme-	
	C:E- C:t	0.92	0.92	0.93	0.92	1.2	ability rate	1.1
	Specific Gravity						0.92	
	Mooney Viscosity ML 1+4	90~150	55~90	30~100	35~55	45~120	45~75	30~100
	Hardness	10~100°	20~100°	30~100°	30~100°	10~90°	20~90°	15~100°
	Tensile Strength (Kgf/cm2)	30~300	30~200	50~200	20~200	50~250	50~150	50~200
	Elongation (%)	600~100	600~100	500~100	500~100	500~100	500~100	500~100
Normal Condition Test	Rebound Resilience	0	0	0	0	0	Δ	0
	Tear Strength	0	0	Δ	0	0	0	0
	Abrasion-Resistance	0	0	0	0	O~O	0	0
	Flex Resistance	0	0	0	Δ	0	0	0
.	Service Temp Deg. (°C)	-75~90	-75~90	-60~100	-100~100	-60~120	-60~150	-50~120
) <u>F</u>	Aging Resistance	0	0	0	0	0	0	0
ma	Sunlight Resistance	0	0	0	0	0	0	0
or	Ozone Resistance	×	×	×	×	0	0	X
Z	Flame Resistance	×	×	×	×	0	×	×
	Electric volume	10 15	10 15	10 15	14 15	10 12	15 18	15 18
	resistivity (Ω .cm)	10~10	10~10	10~10	10~10	10~10	10~10	10~10
	Gas permeability resist	0	0	^		0	0	0
	Radiation resistance	<u></u>	<u> </u>	\bigcirc	×	<u> </u>	×	△~ ○
	Gasoline	X	X	×	×	0	×	©
	Benzene/Toluene	×	×	×	×	×		X~ <u>△</u>
ent	Trichlene	×						
Oil / Solvent Resistance	Alcohol	<u>^</u>	X (i)	× (i)	X (iii)	X ©	(A)	X
Sil/S Resis	Ether						△~ ○	
Oi R	Ketone (MEK)	X 	X ^~○	X 	X ^~○	X~ <u>△</u>	©	X~ <u>△</u>
			<u></u>				0	X
	Ethyl Acetate	X~ <u>△</u>	X~∆	X~ <u>∆</u>	X~ <u>△</u>	(A)	0	X~∆
Acid / Alkali Resistance	Water	0	0	0	0	<u> </u>	_	<u> </u>
	Organic Acid	X	×	X	×	X~ <u>△</u>	△~○	X~ <u>△</u>
	Strong Acid	\triangle	Δ		\triangle	0	0	0
Acid /	Light Acid	0	0	0	0	0	0	0
Ą I	Strong Alkali	0	0	0	0	0	0	0
	Light Alkali	0	0	O .	0	0	(i)	0
		Tires, air	Tires, air	Tires, soles,	Tires, soles,	Cable	Tires, cable	Seals,
Main Usage		springs,	springs,	conveying	abrasion	covering,	covering,	O-rings,
		soles, tubes, conveying	soles, tubes, conveying	belt, tubes, and	resisting rubber roller,	tubes,		packings, printing
		belt, and	belt, and	and industrial	rubber roller,	adhesive	-ce, conveying	rollers, oil
		industrial	industrial	products.	sheets	agent,	belt.	resistance
		products.	products.	products.	and	window	ocit.	rubber hose.
		products.	products.		industrial	seals, and		rubber nose.
					products.	industrial		
					products.	products.		
		l .	ı	l	l	products.	l .	L



CHIAO YING RUBBER CO., LTD. Address: No.11, Lane 99, Sec.3, Jiauan Rd., Shulin City, Taipei County 238, Taiwan (R.O.C.) TEL:886-2-26803570 FAX:886-2-26801905

E-MAIL: service@chiaoyingrubber.com http://www.chiaoyingrubber.com

> **⊚**Excellent **○Good △**Fair **×**Poor

					LACCHEII	<u></u>	
Rubber Material		EPDM	CSM	ACM	PU	SI	FKM
		Ethylene	Hypalon.	Polyacrylate Rubber	Polyurethane Rubber	Silicone	Fluoro Carbon Rubber
		propylene Rubber	Polyethylene	Rubber	Rubber	Rubber	Rubber
Ν	Iain Properties	Good age/	Excellent age/	Good high	Excellent	Excellent	Excellent
Wain Properties		ozone	ozone/	temperature	abrasion-resist		heat/ chemical
		resistance, excellent	chemical/ weathering	oil resistance.	ance, elasticity, excellent	resistance and chemical	resistance.
		electrical	resistance		mechanical	stability.	
		properties	Tobiotanico		properties	statistis.	
	Specific Gravity	0.86	1.2	1.1	1.2	1.0	1.8
	Mooney Viscosity ML1+4	50~150	30~60	45~60	30~60	20~50	60~180
	Hardness	10~90°	50~90°	40~90°	60~90°	30~90°	50~90°
	Tensile Strength (Kgf/cm2)	50~200	70~200	70~120	100~300	40~120	70~200
	Elongation (%)	800~100	500~100	600~100	500~200	500~100	500~100
est	Rebound Resilience	0	0	Δ	0	0	Δ
l T	Tear Strength	Δ	0	Δ	0	X~∆	0
Lioi.	Abrasion-Resistance	0	0	0	0	X~ <u>△</u>	0
İġi	Flex Resistance	0	0	0	0	X~()	0
Normal Condition Test	Service Temp Deg. (°C)	-60~140	-60~150	-30~180	-60~80	-120~280	-50~300
	Aging Resistance	0	0	0	0	0	0
m	Sunlight Resistance	0	0	0	0	0	0
- Jo	Ozone Resistance	0	0	0	0	0	0
Z	Flame Resistance	×	0	×	×	O	©
	Electric volume		12 14	8 10	8 12	11 16	10 14
	resistivity (Ω.cm)	10~10	10 ~10	10~10	10~10	10~10	10~10
	Gas permeability resist	0	0	0	0	×	0
	Radiation resistance	X	△~○	X~()	0	△~◎	△ ~○
	Gasoline	×	Δ	0	0	X~ <u>△</u>	0
± .	Benzene/Toluene	Δ	X~ <u>△</u>	×	X~ <u>△</u>	X~ <u>△</u>	0
Oil / Solvent Resistance	Trichlene Alcohol Ether	×	x ~ <u>△</u>	×	△~○	x ~ <u>△</u>	0
/ So sista	Alcohol	0	0	×	Δ	0	0
Oil	Ether	0	×	×	×	X~ <u>△</u>	X~ <u>△</u>
	Ketone (MEK)	0	△~○	×	×	0	×
	Ethyl Acetate	0	×	×	△~○	Δ	×
	Water	0	0	Δ	Δ	0	0
kali	Organic Acid Strong Acid Light Acid Strong Alkali	×	Δ	×	×	0	×
Acid / Alkali Resistance	Strong Acid	0	0	Δ	×	Δ	0
cid/	Light Acid	0	0	0	Δ	0	0
Ac	Strong Alkan	0	0	Δ	×	0	×
	Light Alkali	0	0	0	X	0	Δ
		Window seals,		Rubber pads,	Rollers, tubes.	Heat/cold	Heat/oil/
		cable covering,	corrosion resist coating,	Seals in auto Gearbox		resistance O-rings,	chemical resistance
	Main Usage	steam hose.		system, crank		gaskets,	O-rings, pads,
	wiaiii Osage		box linings.	axle seal.		rollers,	tubesetc. for
						damper etc.	aircraft/
							Military/ Chemical
							plant usage.
				•			