

Material Application List

●:Best ▲:Suitable X:Not Recommended -:No Data

Material	NBR							
	N7026AA	N7028AA	N7539AA	N7626AA	N8039AA	N8590AA	N8594AA	N9026AA
Shore A	70	70	75	75	80	85	85	90
Environment Temp. °C	-55~100	-30~120	-35~80	-55~100	-40~100	-40~100	-35~80	-55~100
+200°C								
+100°C								
0°C								
-50°C								
Tensile Strength PSI (Mpa)	2453 (16.92)	3066 (21.1)	3306 (22.8)	2563 (17.68)	2934 (20.23)	3032 (20.8)	3008 (20.7)	2693 (18.6)
Elongation%	327	363	320	246	285	166	130	159
100% Modulus psi (Mpa)	619 (4.27)	487 (3.4)	834 (5.8)	998 (6.88)	801 (5.52)	1968 (13.6)	2584 (17.8)	1945 (13.4)
Comon Hydraulic oil	▲	●	●	▲	●	●	●	▲
Low-Temp Hydraulic Oil	●	●	●	●	●	●	▲	●
Coolant(Water + GLYCOL)	▲	▲	▲	▲	▲	▲	▲	▲
Engine oil	●	●	●	●	●	●	●	●
Lubricant	●	●	●	●	●	●	●	●
Silicone Lubricant	●	●	●	●	●	●	●	●
Silicone oil	●	●	●	●	●	●	●	●
Chlorine Cutting Fluid	X	X	X	X	X	X	X	X
Sulfurized Cutting Fluid	●	●	●	●	●	●	●	●
Water Soluble Cutting Fluid	●	●	●	●	●	●	●	●
Fuel	▲	●	▲	▲	▲	▲	●	▲
Water	▲	▲	▲	▲	▲	▲	▲	●
O ₃	X	X	X	X	X	X	X	X
Function	Good Resistance of Extreme-Low-Temp, Oil and Abrasion	Good Compression Set, Good Resistance of Abrasion and oil , Suit to X-ing	Special Compound, Self-Lubrication, low friction,Good Resistance of Oil, Suit to Dynamic Parts UB3,UB5	Good Resistance of Extreme-Low-Temp, Oil and Abrasion	Special Compound, Self-Lubrication, low friction,Good Resistance of Oil, Suit to Dynamic Parts UB3,UB5	Good Resistance of Low-Temp and stike, Cushion Only	High-Tempt, Good Resistance of Oil and Abrasion , CUSION and UC6 Only	Good Resistance of Extreme-Low-Temp, Oil and Abrasion

NBR	HNBR	FKM						TPU Thermoplastic Urethane	
		N9076AA	H7000AA	H9018AA	V7559AA	V7029AA	V7514AA	V8031AE	V9059AA
90	70	90	75	70	75	80	90	90	95
-50~100	-45~135	-40~135	-25~200	-10~150	-20~200	-10~150	-10~150	-40~80	-35~80
2480 (17.1)	3729 (25.7)	3513 (24.23)	2428 (16.6)	2044 (14.1)	2214 (15.3)	2282 (15.74)	2422 (16.7)	6625 (45)	7252 (50)
151	274	148	185	231	241	154	139	460	515
1664 (11.5)	780 (5.4)	2688 (18.54)	1310 (9.0)	939 (6.48)	740 (5.1)	1540 (10.62)	1812 (12.5)	1036 (7.1)	2216 (15.2)
●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●
▲	●	▲	▲	▲	▲	▲	▲	X	X
●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	-	-
●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●
X	X	X	●	●	●	●	●	X	X
●	●	●	●	●	●	●	●	-	-
●	●	●	▲	▲	▲	▲	▲	-	-
●	●	●	●	●	●	●	●	●	●
▲	●	●	●	●	●	●	●	▲	▲
X	●	●	●	●	●	●	●	-	-
Good Compression Set, High Hardness, Good Resistance of Abrasion. Good Resistance of Low-Temp	Good Resistance of High-Temp, Oil and Water	Self-Lubrication, low friction,Good Resistance of High-Temp, Oil and Water	Good Resistance of Extreme-High-Temp and Oil, Good Resistance of Abrasion	Good Resistance of Extreme-High-Temp, Tearing and Oil, Suit to X-ring	Good Resistance of Extreme-High-Temp and Oil, Good Resistance of Abrasion	Good Resistance of Extreme-High-Temp and Oil, UA6 Only	Good Resistance of Extreme-High-Temp, Oil and Abrasion.Suit to Dynamic Parts	Extremely High Elongation, Excellent Resistance of Abrasion. Good Resistance of Water	Extremely High Elongation, Excellent Resistance of Abrasion. Good Resistance of Water, Extremely High Hardness