

Material name	Material group	Designation	Temperature range		Hardness	Colour	Rod	Piston	Wiper	Bearing	Products	Compound reference	
			°C	°F									
Nitrile – medium	Synthetic rubber	NBR	-30 +120	-22 +250	90 IRHD	Black	H		H		11, 12, 13, 14, Vee rings, 33	9000141	
Nitrile – high	Synthetic rubber	NBR	-10 +140	-14 +284	80 IRHD	Black	P	P	P		Special material option	9000041	
Nitrile – low	Synthetic rubber	NBR	-45 +100	-45 +212	80 IRHD	Black	H				Special material option	9000471	
Nitrile – medium	Synthetic rubber	NBR	-30 +120	-22 +250	80 IRHD	Black		H		M[1]	50, 53, 65, 68, 77, 730, 735, 753 Sealing elements	9001411	
Nitrile – medium	Synthetic rubber	NBR	-30 +120	-22 +250	75 IRHD	Black	H	H			15	9000801	
Nitrile – medium	Synthetic rubber	NBR	-30 +120	-22 +250	73 IRHD	Black	H	H			18	9000271	
Nitrile – medium	Synthetic rubber	NBR	-30 +120	-22 +250	70 IRHD	Black	H	H			16, 54, 754, 755, 770	9000771	
Nitrile – low	Synthetic rubber	NBR	-45 +100	-45 +212	70 IRHD	Black	H	H			Special material option 15, 18, 56, 58	9000211	
Nitrile – medium	Synthetic rubber	NBR	-30 +120	-22 +250	70 IRHD	Black	H				56, 58	9000111	
Hallprene – rubber / fabric	Composite	Cotton/ NBR	-30 +120	-22 +250		Black	H	H			11, 13, 14, 15, 18, 21, 51, 52, 56, 58	9400251	
Fluoroelastomer rubber / fabric	Composite	Cotton/ FKM	-20 +150	-4 +302		Black	H	H			Special material option for standard rubber and rubber /fabric products. [Additional tooling may be required]	9400431	
Fluoroelastomer	Synthetic rubber	FKM	-20 +200	-4 +392	75 IRHD	Black	HP	HP	HP		Special material option for standard rubber and rubber /fabric products. [Additional tooling may be required]	9020051	
Hythane® 181	TPE	EU	-45 +110	-50 +230	93 IRHD	Blue	HP	HP	HP	M	80, 601, 605, 606, 607, 609, 610, 616, 620, 621, 652, 653, 656, 657, 658, 659, 834, 839, 842, 846	9220181	
Hallite® 361	TPE	AU	-30 +110	-22 +230	96 IRHD	Orange	H	H	H		764, 775	9220361	
Polyurethane	TPE	AU	-40 +100	-40 +212	94 IRHD	Dark blue			H		860, 862	9220321	
Polyurethane	TPE	EU	-45 +110	-50 +230	93 IRHD	Dark blue			H		520, 831	9220251	
Polyurethane	TPE	EU	-45 +110	-50 +230	93 IRHD	Black	H	H			511, 512, 513	9220221	
Polyurethane	TPE	EU	-40 +100	-40 +212	55D	Green			H	M	Special material option 842	9220371	
Standard polyester elastomer	TPE		-40 +120	-40 +250	55D	Red		H	H		38, 754, 755	9270061	
Hydrolysis stabilised polyester elastomer	TPE		-40 +140	-40 +284	55D	Grey	H	H		M	716, 730, 740, 750	9270111	
Hydrolysis stabilised polyester elastomer	TPE		-40 +140	-40 +284	72D	Dark Red			H		754, 755, 770	9270051	
Hydrolysis stabilised polyester elastomer	TPE		-30 +100	-22 +212	40D	Light grey				M[1]	155	9270201	
Lubricated polyester elastomer	TPE		-40 +120	-40 +250	55D	Cream			HP		770	9270261	
Acetal	Eng. plastic	POM	-45 +120	-50 +250	R115	Orange	H	H		HP	M	AE rings 621, Vee pack headers, Bearing rings 53, 58, 65, 68, 77	9230011
PTFE glass filled	Eng. plastic	PTFE	-50 +200	-58 +392	60D	White	HP	HP				16, 54	PTFE02
PTFE glass / MoS2 filled	Eng. plastic	PTFE	-50 +200	-58 +392	62D	Grey	H	H	H			416, 454, 735	CDI702
PTFE Bronze filled	Eng. plastic	PTFE	-50 +200	-58 +392	65D	Bronze	H	H				416, 454, 735	CDI741
PTFE Bronze filled	Eng. plastic	PTFE	-50 +200	-58 +392	72D	Bronze				H		87	9200031
Hallite® 506 polyester /polyester	Composite		-40 +120	-40 +250		Red				HP	M	506, 507	
Nylon 12	Eng. plastic	PA	-40 +120	-40 +250	72D	Brown			H			Support rings 50, 53, 68	9260041
Nylon 6 / MoS2	Eng. plastic	PA	-40 +120	-40 +250	R115	Black			H			AE rings 735	CDI707
Glass filled Nylon	Eng. plastic	PA	-40 +120	-40 +250	R124	Black				H		533	Dynamic 533