



Materials overview	Color	Shore A/D hardness	Operating temperature, °C		Mineral oil based resistance		HFA-E water +oil emuls. resistance		Water resistance	
			min.	max.	RT	60° C	RT	60° C	RT	60° C
Elastomers, polyurethanes										
URETHANE Polyurethane	Green	95/48	-30	110	+	+	0	-	+	-
H-URETHANE Polyurethane (TPU)	Red	95/48	-20	110	+	+	+	+	+	+
S-URETHANE Polyurethane (TPU)	Black	95/48	-20	110	+	+	+	+	+	+
T-URETHANE Polyurethane (TPU)	Blue	95/48	-50	110	+	+	0	-	+	-
G-URETHANE Polyurethane (TPU)	Red	95/47	-30	110	+	+	+	0	+	0
X-URETHANE Hard grade polyurethane (TPU)	Teal	97/57	-30	110	+	+	0	-	+	-
XH-URETHANE Hard grade polyurethane (TPU)	Red	97/60	-20	110	+	+	+	+	+	+
XS-URETHANE Hard grade polyurethane (TPU)	Black	96/57	-20	110	+	+	+	+	+	+
Elastomers, rubber										
Rubber-H Hydrogenated NBR (H-NBR)	Black	85/-	-25	150	+	+	+	+	+	+
Rubber-1 Acrylonitrile butadiene rubber (NBR)	Black	85/-	-30	100	+	+	+	+	+	+
Rubber-2 Fluorocarbonate rubber (FKM)	White/Orange	83/-	-20	200	+	+	+	0	+	+
Rubber-3 Ethylene propylene diene rubber (EPDM)	White/Black	85/-	-50	150	-	-	-	-	+	+
Rubber-4 Silicone rubber ()	Red/Black	85/-	-60	200	+/0	+/0	0	0	+	+
Rubber-5 Tetrafluoroethylene propylene rubber (TFE/)	Black	83/-	-10	200	+	+	+	+	+	+
Thermoplastics										
Delrin Polyacetal (PO)	White/Black/Blue		-50	80	+	+	+	+	+	+
Virgin TFE Polytetrafluoroethylene (TFE)	White	-/57	-200	260	+	+	+	+	+	+
Glass-Moly Polytetrafluoroethylene +15 % glass +5 % MoS ₂	Black	-/60	-200	260	+	+	+	+	+	+
Bronze TFE Polytetrafluoroethylene +40 % bronze	Yellow	-/64	-200	260	+	+	+	+	+	+
Carbon TFE Polytetrafluoroethylene +25 % carbon	Black	-/65	-200	260	+	+	+	+	+	+
Nylon Polyamide (PA)	White/Black	-/77	-40	100	+	+	+	+	0	0
UHMW Ultra-High Molecular Weight Polyethylene (UHMWPE)	White		-200	70	+	+	+	+	+	+
Peak Polyaryletherketone (PEEK)	White/Black	-/86	-60	250	+	+	+	+	+	+

+ Suitable
0 Unknown data or limited resistance
- Not recommended
RT Room temperature (20 °C)

1-877-905-SEAL SEAL & CYLINDER SOURCE, INC.