

MARWIN BALL VALVE SEAT OFFERINGS

Material	LETTER	DESCRIPTION	APPLICATION	REFERENCE	MAX PRESSURE	TEMPERATURE LIMIT
PTFE	T	TEFLON	GOOD FOR MOST CHEMICAL APPLICATIONS AS WELL AS GENERIC WATER, OIL, GAS USE. REQUIRES RELATIVELY LOW ACTUATOR TORQUE	LOW COST, LOW TORQUE	1000 PSI	400/450 DEG F
R-PTFE	R	GLASS FILLED, RE-ENFORCED TEFLON	SIMILAR CHEMICAL RESISTANCE AS PTFE, BUT HANDLES HIGHER PRESSURES AND TEMPERATURES AS WELL AS IMPROVED CYCLE LIFE	STD COST, GOOD TORQUE	1500 PSI	450 DEG F
C-RPTFE	S	CARBON FILLED, RE-ENFORCED TEFLON	INCREASED PRESSURE, TEMPERATURE OVER R-PTFE. GOOD MATERIAL FOR STEAM AND HOT OIL APPLICATIONS AS WELL AS HIGH CYCLE APPLICATIONS	STD COST, GOOD TORQUE	2000 PSI	500/550 DEG F
FEP	*	MELT PROCESSABLE TFE	COMPARABLE CHEMICAL AND MECHANICAL PROPERTIES AS PTFE, BUT HAS ADDITIONAL CAPABILITIES FOR USE WITH STYRENE AND BUTADIENE WHICH PTFE DOESN'T HANDLE DUE TO "POPCORNING"	HIGH COST, LOW TORQUE	1000 PSI	400/450 DEG F
KEL-F	K	PC-TFE	COMPARABLE CHEMICAL AND MECHANICAL PROPERTIES AS PTFE, BUT HAS ADDITIONAL CAPABILITIES FOR USE AT REDUCED TEMPERATURES	HIGH COST, HIGH TORQUE	2500 PSI	-320 DEG F MIN
UHMW-PE	U	ULTRA HIGH MOLECULAR WEIGHT POLY-ETHYLENE	LIMITED COMPATIBILITY AND TEMPERATURE CAPABILITIES, BUT GOOD PRESSURE AND WEAR CHARACTERISTICS, WITH EXCELLENT ABRASIVE RESISTANCE. COMMONLY USED FOR TOBACCO & NUCLEAR APPLICATIONS..	STD COST, GOOD TORQUE	2500 PSI	180 DEG F
DELTRIN	D	ACETRON GP	LIMITED COMPATIBILITY AND TEMPERATURE CAPABILITIES, BUT HIGH PRESSURE AND WEAR CHARACTERISTICS. (STANDARD HIGH PRESSURE SEAT)	MODERATE COST AND TORQUE	6000 PSI	180 DEG F
PEEK	P	POLY ETHER ETHER KEYTONE	EXCELLENT COMPATIBILITY, TEMPERATURE AND PRESSURE CAPABILITIES. FDA APPROVED FOR FOOD CONTACT AND GOOD ON STEAM UP TO 400 PSI	HIGH COST, HIGH TORQUE	6000 PSI	500/550 DEG F
C-PEEK	F	CARBON FILLED, RE-ENFORCED PEEK	EXCELLENT COMPATIBILITY, TEMPERATURE AND PRESSURE CAPABILITIES. GOOD ON STEAM UP TO 450 PSI. REQUIRES GRAPHITE GASKET	HIGH COST, HIGH TORQUE	6000 PSI	600 DEG F
MARWINITE	C	NICKEL IMPREGNATED COMPRESSED CARBON	EXCELLENT TEMPERATURE CAPABILITIES, GOOD COMPATIBILITY. GOOD ON SUPERHEATED STEAM. TEMPERATURE IS DEPENDENT ON OXIDATION LEVEL OF MEDIA. NOT ABRASIVE RESISTANT.	HIGH COST, MODERATE TORQUE	750 PSI	800 /1100 DEG F
MARWINITE II	*	COMPRESSED CARBON	EXCELLENT TEMPERATURE CAPABILITIES, GOOD COMPATIBILITY. HIGHER OXIDIZING TEMPERATURE THAN MARWINITE, LESS TIGHT SHUT-OFF	HIGH COST, MODERATE TORQUE	750 PSI	1000 DEG F
MARWEAR	M (4)	METAL SEATS CHROME CARBIDE / OXIDE COATING	EXCELLENT TEMPERATURE CAPABILITIES, GOOD COMPATIBILITY. GOOD FOR HIGH WEAR AND ABRASIVE SERVICES. CLASS IV SHUT-OFF	HIGH COST, HIGH TORQUE	3700 PSI	1000 DEG F
MARWEAR II	M (6)	METAL SEATS CHROME CARBIDE / CHROME CARBIDE	EXCELLENT TEMPERATURE CAPABILITIES, GOOD COMPATIBILITY. GOOD FOR HIGH WEAR AND ABRASIVE SERVICES. GOOD ON HIGH PRESSURE STEAM. CLASS VI SHUT-OFF	HIGH COST, HIGH TORQUE	3700 PSI	1000 DEG F