



# ADVANCED INDUSTRIAL

High Performance Plastics

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■ CNC MACHINED COMPONENTS

**ADVANCED INDUSTRIAL'S**  
 Guide to Plain and  
 Self Lubricating  
 Bearing Materials  
 1-800-265-7351



Bearing Material	Max P Static psi	Max V No Load FPM dry	Max PV P x V Dry	Service Temp. Cont. F	Characteristics / Attributes
GRAPHITE FILLED POLYIMIDE	5,000	800	400,000	550	High PV / High Temp / Low Friction / Chemical Resistant
CELAZOLE® TL60 BEARING GRADE	6,000	500	225,000	650	Extreme High Temp / Very Low Coefficient of Friction
PEEK 5025 BEARING GRADE	6,000	600	120,000	480	High PV / High Temp / Chemical Resistant / Thermally Stable
15% GRAPHITE 10% TFE POLYIMIDE	4,500	750	100,000	550	High PV / High Temp / Low Friction / Chemical Resistant
TORLON® 4301	1,000	900	50,000	500	High Temp / High Strength / Low Friction / Graphite Filled
CELAZOLE® / PBI	1,000	150	50,000	650	Highest Temp / Chemical Resistant / Polybenzimidazole
CARBON FIBER FILLED PEEK	6,000	600	50,000	480	High PV / High Temp / Thermally Stable / Conductive
STD BEARING GRADE PEEK HPV	5,000	500	30,000	480	High PV / High Temp / Easy to Machine
TEKSLIDE® F471	1,000	400	10,000	500	Filled PTFE / Good Strength / High V / Chemical Resistant
RULON® LR	1,000	400	10,000	500	Filled PTFE / Good Strength / High V / Chemical Resistant
TEKSLIDE® F461	1,000	400	10,000	500	Filled PTFE / Low Friction / Non Abrasive / Chemical Resistant
RULON® J	750	400	10,000	500	Filled PTFE / Low Friction / Non Abrasive / Chemical Resistant
TEKSLIDE® G729	1,000	400	10,000	500	Filled PTFE / FDA / USDA / High V / Chemical Resistant
RULON® 641	1,000	400	10,000	500	Filled PTFE / FDA / USDA / High V / Chemical Resistant
DELTRIN® 100 AF	1,000	100	10,000	180	PTFE Filled Acetal / Low Friction / Brown / Good Machinability
DELTRIN® AF BLEND 13%	1,000	100	8,750	180	Filled Acetal / Low Moisture Absorption / Wear Resistant
FLUROSINT® 207	750	400	7,500	500	Filled PTFE / Low Friction / High Temp. / FDA / Thermal Stability
HYDEX® 4101	1,000	100	6,000	245	PBT / Chemical Resistant / Economical / Good Wear
PET ERTALYTE TX®	1,000	150	6,000	210	Dimensionally stable / Great Wear / FDA / USDA
FLUROSINT® 500	750	400	5,000	500	Syn. Mica Filled PTFE / Most Thermally Stable in PTFE Family
PET ERTALYTE®	1,000	100	5,000	210	PET / Economical / Good Wear / FDA / USDA / Machinable
25% GLASS FILLED PTFE	1,000	350	5,000	550	Filled PTFE / High V / High Temp / Chemical Resistant
25% CARBON FILLED PTFE	1,000	400	4,500	500	Filled PTFE / Low Friction / Conductive / Chemical Resistant
DELTRIN® / HOMOPOLYMER	1,000	50	3,500	180	Acetal / Economical / Good Wear / FDA / USDA / Machinable
GLASS FILLED NYLON	350	40	3,000	225	Economical / Good Wear / High Impact Strength / High Strength
DELTRIN CL500	1,000	50	3,000	122	Excellent Machinability / Lubricated Acetal / Low Friction
NYLON® 66	300	60	2,700	210	Economical / Good Wear Characteristics/ High Impact Strength
OIL FILLED UHMW	800	75	1,500	180	Low Friction / High Abrasion Resistance / FDA / Chemical Res.
GLASS FILLED UHMW	1,000	50	1,500	180	Low Friction / Highest Abrasion Resistance / Economical
15% GRAPHITE FILLED PTFE	400	100	1,500	500	Filled PTFE / Low Friction / Economical / Chemical Resistance
UHMW	800	50	1,000	180	Economical / High Abrasion Resistance / Low Friction / FDA
VIRGIN OR REPRO PTFE	50	400	1,000	550	High Chemical Resistance / High Temp / Low Heat Transfer

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