

Pyramid KD25: PEEK Lubricated; Standard Flow.

Product Code		KD2520-NT	KD2530-NT	KD2540-NT	KD2550-NT
Property	ASTM No.	US Value	US Value	US Value	US Value
General					
Form	---	Pellets (Gray)	Pellets (Gray)	Pellets (Gray)	Pellets (Gray)
Composition (Polyetherketoneketone)	---	PTFE filled	PTFE filled	PTFE filled	PTFE filled
Filler Content (Nominal value), %	---	15%	20%	25%	30%
Specific Gravity	D792	1.39	1.42	1.44	1.45
Shrinkage (MD/TD), in/in	D955	0.010/0.020	---	0.015/0.023	---
Moisture Absorption @24hr., %	D570	0.1	0.1	0.1	0.1
Mechanical					
Tensile Strength (Break), Kpsi	D638	12	11.5	11.2	10.5
Tensile Modulus, Mpsi	D638	0.5	0.46	0.46	0.4
Elongation (Break), %	D638	18	15	10	4
Flexural Strength (Yield) Kpsi	D790	21	20	19	18
Flexural Modulus Mpsi	D790	0.52	0.5	0.48	0.47
Izod, Notched, ft-lb/in @1/8"	D256	0.8	0.8	0.6	0.6
Hardness, Shore D	D2240	85	84	82	81
Thermal					
Melting Point, °F	DSC	650	650	650	650
Tg (Glass Transition), °F	DSC	290	290	290	290
Flammability Rating (UL 94)	UL 94	V-0	V-0	V-0	V-0
HDT@264psi, °F	D648	340	340	340	340
Other					
Kinetic Coefficients of Friction	D1894	0.11	0.1	0.08	0.08
Static Coefficients of Friction	D1894	0.11	0.1	0.1	0.1