

Pyramid™ KD2540-NT
(PEEK+PTFE)

Polymics, Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.015	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.023	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	3172	MPa	ASTM D 638
Tensile Strength at Break	77.2	MPa	ASTM D 638
Elongation at Break	10	%	ASTM D 638
Flexural Modulus	3310	MPa	ASTM D 790
Shore D Hardness	82	-	ASTM D 2240
Izod Impact notched, 1/8 in	32	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
DTUL @ 264 psi	171	°C	ASTM D 648
Melting Temperature	343	°C	ASTM D 3418
Glass Transition Temperature	143	°C	ASTM E 1356

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.1	%	ASTM D 570
Density	1440	kg/m ³	ASTM D 792

Characteristics

Delivery form

Pellets

Regional Availability

North America, Europe, Asia Pacific

Additives

Lubricants