

Pyramid™ KD2520-NT
(PEEK+PTFE)

Polymics, Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.01	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.02	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	3448	MPa	ASTM D 638
Tensile Strength at Break	82.7	MPa	ASTM D 638
Elongation at Break	18	%	ASTM D 638
Flexural Modulus	3586	MPa	ASTM D 790
Shore D Hardness	85	-	ASTM D 2240
Izod Impact notched, 1/8 in	42.7	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	1390	kg/m ³	ASTM D 792

Characteristics

Delivery form

Pellets

Regional Availability

North America, Europe, Asia Pacific

Additives

Lubricants