

KOPLA® KDX1013

PA66-(GF+MF)

KOPLA CO., LTD

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0055	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.007	mm/mm	ASTM D 955
Mechanical properties			
	dry / cond	Unit	Test Standard
ISO Data			
Charpy impact strength, +23°C	42 / 75	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	4 / 6	kJ/m ²	ISO 179/1eA
ASTM Data			
Tensile Modulus	8500 / 4500	MPa	ASTM D 638
Tensile Strength	120 / 70	MPa	ASTM D 638
Flexural Modulus	7000 / 4200	MPa	ASTM D 790
Flexural Strength	175 / 100	MPa	ASTM D 790
Rockwell Hardness	R 120 / R 115	-	ASTM D 785
Thermal properties			
	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	35	E-6/K	ASTM D 696
DTUL @ 66 psi	250	°C	ASTM D 648
DTUL @ 264 psi	235	°C	ASTM D 648
Melting Temperature	260	°C	ASTM D 3418
Electrical properties			
	dry / cond	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	36 / -	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.02 / -	-	ASTM D 150
Dielectric Constant, 1 MHz	3.7 / -	-	ASTM D 150
Volume Resistivity	1E14 / -	Ohm*cm	ASTM D 257
Other properties			
	Value	Unit	Test Standard
Water Absorption, 24hr	1.1	%	ASTM D 570
Density	1450	kg/m ³	ASTM D 792

Characteristics**Applications**

Automotive, Electrical and Electronical

Regional Availability

North America, Asia Pacific