

KOPLA® KRE1110

(PA6+ABS)

KOPLA CO., LTD

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.013	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0135	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	2180	MPa	ASTM D 638
Tensile Strength	50	MPa	ASTM D 638
Flexural Modulus	1900	MPa	ASTM D 790
Flexural Strength	70	MPa	ASTM D 790
Rockwell Hardness	R 105	-	ASTM D 785

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	60	E-6/K	ASTM D 696
DTUL @ 66 psi	150	°C	ASTM D 648
Melting Temperature	222	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	20	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.02	-	ASTM D 150
Dielectric Constant, 1 MHz	3.2	-	ASTM D 150
Volume Resistivity	1E15	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	1.2	%	ASTM D 570
Density	1060	kg/m ³	ASTM D 792

Characteristics**Special Characteristics**

High impact or impact modified

Regional Availability

North America, Asia Pacific

Applications

Automotive, Electrical and Electrical