



KUNI Applied Materials KELITE 911 Resin

Grade: 911M10

Code: NC/GPBK/RBBK/MTBK/WT

Characteristics: Low Temperature Impact with 80% properties retention at -40° C. Excellent weatherability.

Typical Property	Test Method	Test Condition	Unit	Value
Physical				
Density	ISO 1183	-	g/cm ³	1.18
Water Absorption	ISO 62	24h 50%RH	%	0.2
Mechanical				
Tensile Strength	ASTM D638	23°C,50 mm/min	kg/cm ²	530
Tensile Strain	ASTM D638	23°C,50 mm/min	%	80
Flexural Strength	ASTM D790	23°C,2 mm/min	kg/cm ²	950
Flexural Modulus	ASTM D790	23°C,2 mm/min	kg/cm ²	24,500
Tensile Strength	ISO 527	23°C,50 mm/min	MPa	52
Flexural Strength	ISO 527	23°C,2 mm/min	MPa	93
Flexural Modulus	ISO 527	23°C,2 mm/min	MPa	2,400
Rockwell Hardness	ASTM D785	23°C	-	119
Izod Impact Strength	ASTM D256	notched, 23°C	kg-cm/cm	75
Izod Impact Strength	ASTM D256	notched, -30°C	kg-cm/cm	60
Izod Impact Strength	ASTM D256	notched, -40°C	kg-cm/cm	55
Charpy Impact Strength	ISO 179	notched, 23°C	KJ/cm ²	70
Charpy Impact Strength	ISO 179	notched, -30°C	KJ/cm ³	55
Charpy Impact Strength	ISO 179	notched, -40°C	KJ/cm ²	50
Optical				
Light Transmittance(NC)	ASTM D-1003	3.2mm	%	<70
Haze(NC)	ASTM D-1003	3.2mm	%	>15
Thermal				
Melt Flow Index	ASTM D-1238	300°C@1.2kg	g/10min	12
Heat Deflection Temp.	ASTM D648	1.8Mpa	°C	122
		0.45Mpa	°C	135
Mold shrinkage	3.0mm MD	Die Temp. 80°C	%	0.6~0.8
	3.0mm TD	Die Temp. 80°C	%	0.6~0.8
Flammability				
Flammability Rating	UL94	UL HB	mm	1.5
UL light, water exposure and immersion	UL 746C	-	-	-
	UL 746B	Elec	°C	60
	UL 746B	Mech w/impact	°C	60
	UL 746B	Mech w/o impact	°C	60

All tests were run under laboratory conditions, ASTM, ISO testing procedures. The data are intended as a general guide only.





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	Unit	Value
Standard Molding Parameters		
Drying Temperature	°C	120
Drying Time	hrs	4~8
Mold Temperature	°C	80~120
Cylinder Temperature	°C	260~310



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