

KOPLA PA66 KDE1010

Polyamide 66

KOPLA Co., Ltd.

Message:

KOPLA PA66 KDE1010 is a Polyamide 66 (Nylon 66) material. It is available in Asia Pacific.

Important attributes of KOPLA PA66 KDE1010 are:

Flame Rated

Impact Modified

Typical applications include:

Automotive

Plumbing/Piping/Potable Water

Safety Equipment

General Information	
Additive	Impact Modifier
Features	Impact Modified
Uses	Automotive Exterior Parts
	Automotive Under the Hood
	Piping
	Safety Helmets

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.7 to 2.6	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.3	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	62.8	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	40	%	ASTM D638
Flexural Modulus (23°C)	2060	MPa	ASTM D790
Flexural Strength (23°C)	80.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	240	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	230	°C	
1.8 MPa, Unannealed	70.0	°C	
Melting Temperature	260	°C	
CLTE - Flow	7.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257

Dielectric Strength	24	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.10		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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