

KOPLA PA66 KDX1083

Polyamide 66

KOPLA Co., Ltd.

Message:

KOPLA PA66 KDX1083 is a Polyamide 66 (Nylon 66) material filled with glass\mineral. It is available in Asia Pacific.

Important attributes of KOPLA PA66 KDX1083 are:

Flame Rated

Good Dimensional Stability

Typical application of KOPLA PA66 KDX1083: Automotive

General Information			
Filler / Reinforcement	Glass\Mineral		
Features	Good Dimensional Stability		
Uses	Automotive Under the Hood		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.40 to 1.0	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.70	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	103	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.5	%	ASTM D638
Flexural Modulus (23°C)	7060	MPa	ASTM D790
Flexural Strength (23°C)	157	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	255	°C	
1.8 MPa, Unannealed	240	°C	
Melting Temperature	260	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Dielectric Strength	26	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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