KOPLA PA6 KNX1067

Polyamide 6

KOPLA Co., Ltd.

Message:

KOPLA PA6 KNX1067 is a Polyamide 6 (Nylon 6) material filled with glass\mineral. It is available in Asia Pacific.
Important attributes of KOPLA PA6 KNX1067 are:
Flame Rated
Good Dimensional Stability
Typical application of KOPLA PA6 KNX1067: Automotive

General Information	
Filler / Reinforcement	Glass\Mineral
Features	Good Dimensional Stability
Uses	Automotive Exterior Parts Automotive Under the Hood

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.40	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.90	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	121		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield, 23°C)	137	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.0	%	ASTM D638
Flexural Modulus (23°C)	7650	MPa	ASTM D790
Flexural Strength (23°C)	196	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	74	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	215	°C	
1.8 MPa, Unannealed	200	°C	
Melting Temperature	220	°C	
CLTE - Flow	3.0E-5	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.0E+13 to 1.0E+15	ohms·cm	ASTM D257
Dielectric Strength	20	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	4.00		ASTM D150
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating	HB		UL 94

Recommended distributors for this material

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