

KOPLA PA66 KDR1031

Polyamide 66

KOPLA Co., Ltd.

Message:

KOPLA PA66 KDR1031 is a Polyamide 66 (Nylon 66) material filled with glass fiber. It is available in Asia Pacific.

Important attributes of KOPLA PA66 KDR1031 are:

Flame Rated

Impact Modified

Typical applications include:

Electrical/Electronic Applications

Automotive

Sporting Goods

General Information	
Filler / Reinforcement	Glass Fiber
Additive	Impact Modifier
Features	Impact Modified
Uses	Automotive Exterior Parts Electrical Parts Electrical/Electronic Applications Sporting Goods

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	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)	119		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	127	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	5.0	%	ASTM D638
Flexural Modulus (23°C)	6570	MPa	ASTM D790
Flexural Strength (23°C)	189	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	230	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	250	°C	
1.8 MPa, Unannealed	235	°C	
Melting Temperature	260	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257

Dielectric Strength	24	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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