## **KOPLA PP KPR1166**

## Polypropylene

KOPLA Co., Ltd.

## Message:

KOPLA PP KPR1166 is a Polypropylene material filled with glass fiber. It is available in Asia Pacific.

Important attributes of KOPLA PP KPR1166 are:

Flame Rated

**Good Aesthetics** 

Impact Resistant

Typical applications include:

General Information

Automotive

Electrical/Electronic Applications

Features Good Surface Finish High Impact Resistance  Whigh Impact Resistance  Automotive Exterior Trim Electrical Parts  Physical Automotive Exterior Trim Electrical Parts  Physical Nominal Value Unit Test Method  Specific Gravity 1.00 9/cm³ ASTM D792  Molding Shrinkage - Flow (3.18 mm) 0.80 to 1.5 % ASTM D955  Hardness Nominal Value Unit Test Method  Rockwell Hardness (R-Scale) 75 ASTM D785  Mechanical Nominal Value Unit Test Method  Tensile Strength (Yield, 23°C) 25.0 MPa ASTM D683  Tensile Elongation (Brask, 23°C) 25.0 MPa ASTM D683  Flexural Modulus (23°C) 25.0 MPa ASTM D683  Flexural Modulus (23°C) 36.3 MPa ASTM D790  Flexural Strength (23°C) 36.3 MPa ASTM D790  Flexural Strength (23°C) 36.3 MPa ASTM D790  Timpact Nominal Value Unit Test Method  Impact Nominal Value Unit Test Method  Thomat Nominal Value Unit Test Method  Thermal Temperature Under Load (045)  Mag ASTM D684  Test Method	Filler / Reinforcement	Glass Fiber		
Des Automotive Exterior Trim Electrical Parts  Physical Nominal Value Unit Test Method  Specific Gravity 1.00 g/cm³ ASTM D792  Molding Shrinkage - Flow (3.18 mm) 0.80 to 1.5 % ASTM D795  Hardness Nominal Value Unit Test Method  Rockwell Hardness (R-Scale) 75 ASTM D785  Mechanical Nominal Value Unit Test Method  Tensile Strength (Yield, 23°C) 25.0 MPa ASTM D638  Tensile Elongation (Break, 23°C) 200 % ASTM D638  Flexural Modulus (23°C) 332 MPa ASTM D638  Flexural Strength (23°C) 36.3 MPa ASTM D790  Flexural Strength (23°C) 36.3 MPa ASTM D790  Impact Nominal Value Unit Test Method  Nothed Izod Impact 150 J/m ASTM D256  Thermal Nominal Value Unit Test Method  Deflection Temperature Under Load (0.45 MPa, Unannealed) 127 °C ASTM D648  Melting Temperature  163 °C  Test Method Test Method	Features	Good Surface Finish		
Physical         Nominal Value         Unit         Test Method           Specific Gravity         1.00         g/cm³         ASTM D792           Molding Shrinkage - Flow (3.18 mm)         0.80 to 1.5         %         ASTM D955           Hardness         Nominal Value         Unit         Test Method           Rockwell Hardness (R-Scale)         75         ASTM D785           Mechanical         Nominal Value         Unit         Test Method           Tensile Strength (Yield, 23°C)         25.0         MPa         ASTM D638           Tensile Elongation (Break, 23°C)         > 200         %         ASTM D638           Flexural Modulus (23°C)         932         MPa         ASTM D790           Flexural Strength (23°C)         36.3         MPa         ASTM D790           Impact         Nominal Value         Unit         Test Method           Notched Izod Impact         150         J/m         ASTM D256           Thermal         Nominal Value         Unit         Test Method           Deflection Temperature Under Load (0.45 MPa, Unannealed)         "C         ASTM D648           Melting Temperature         163         "C         Test Method		High Impact Resistance		
Physical         Nominal Value         Unit         Test Method           Specific Gravity         1.00         g/cm³         ASTM D792           Molding Shrinkage - Flow (3.18 mm)         0.80 to 1.5         %         ASTM D955           Hardness         Nominal Value         Unit         Test Method           Rockwell Hardness (R-Scale)         75         ASTM D785           Mechanical         Nominal Value         Unit         Test Method           Tensile Strength (Yield, 23°C)         25.0         MPa         ASTM D638           Tensile Elongation (Break, 23°C)         > 200         %         ASTM D638           Flexural Modulus (23°C)         932         MPa         ASTM D790           Flexural Strength (23°C)         36.3         MPa         ASTM D790           Impact         Nominal Value         Unit         Test Method           Notched Izod Impact         150         J/m         ASTM D256           Thermal         Nominal Value         Unit         Test Method           Deflection Temperature Under Load (0.45 MPa, Unannealed)         "C         ASTM D648           Melting Temperature         163         "C         Test Method				
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Specific Gravity 1.00 g/cm³ ASTM D792  Molding Shrinkage - Flow (3.18 mm) 0.80 to 1.5 % ASTM D955  Hardness Nominal Value Unit Test Method  Rockwell Hardness (R-Scale) 75 ASTM D785  Mechanical Nominal Value Unit Test Method  Tensile Strength (Yield, 23°C) 25.0 MPa ASTM D638  Tensile Elongation (Break, 23°C) 200 % ASTM D638  Flexural Modulus (23°C) 36.3 MPa ASTM D790  Flexural Strength (23°C) 36.3 MPa ASTM D790  Impact Nominal Value Unit Test Method  Notched Izod Impact 150 J/m ASTM D790  Thermal Nominal Value Unit Test Method  Deflection Temperature Under Load (0.45 MPa, Unannealed) 127 °C ASTM D648  Melting Temperature Under Load (0.45 MPa, Unannealed) 163 °C  Flexumal Value Test Method  Test Method Test Method		Electrical Parts		
Specific Gravity 1.00 g/cm³ ASTM D792  Molding Shrinkage - Flow (3.18 mm) 0.80 to 1.5 % ASTM D955  Hardness Nominal Value Unit Test Method  Rockwell Hardness (R-Scale) 75 ASTM D785  Mechanical Nominal Value Unit Test Method  Tensile Strength (Yield, 23°C) 25.0 MPa ASTM D638  Tensile Elongation (Break, 23°C) 200 % ASTM D638  Flexural Modulus (23°C) 36.3 MPa ASTM D790  Flexural Strength (23°C) 36.3 MPa ASTM D790  Impact Nominal Value Unit Test Method  Notched Izod Impact 150 J/m ASTM D790  Thermal Nominal Value Unit Test Method  Notched Izod Impact 150 J/m ASTM D256  Thermal Nominal Value Unit Test Method  Deflection Temperature Under Load (0.45 MPa, Unannealed) 127 °C ASTM D648  Melting Temperature Under Load (0.45 MPa, Unannealed) 163 °C  Flammability Nominal Value Test Method				
Molding Shrinkage - Flow (3.18 mm)  Nominal Value  Nominal Value	Physical	Nominal Value		Test Method
Hardness Nominal Value Unit Test Method Rockwell Hardness (R-Scale) 75 ASTM D785  Mechanical Nominal Value Unit Test Method Tensile Strength (Yield, 23°C) 25.0 MPa ASTM D638  Tensile Elongation (Break, 23°C) > 200 % ASTM D638  Flexural Modulus (23°C) 932 MPa ASTM D790  Flexural Strength (23°C) 36.3 MPa ASTM D790  Impact Nominal Value Unit Test Method Notched Izod Impact 150 J/m ASTM D256  Thermal Nominal Value Unit Test Method  Deflection Temperature Under Load (0.45 MPa, Unannealed) 127 °C ASTM D648  Melting Temperature  163 °C  Flammability Nominal Value Test Method	Specific Gravity	1.00	g/cm³	ASTM D792
Rockwell Hardness (R-Scale) 75	Molding Shrinkage - Flow (3.18 mm)	0.80 to 1.5	%	ASTM D955
MechanicalNominal ValueUnitTest MethodTensile Strength (Yield, 23°C)25.0MPaASTM D638Tensile Elongation (Break, 23°C)> 200%ASTM D638Flexural Modulus (23°C)932MPaASTM D790Flexural Strength (23°C)36.3MPaASTM D790ImpactNominal ValueUnitTest MethodNotched Izod Impact150J/mASTM D256ThermalNominal ValueUnitTest MethodDeflection Temperature Under Load (0.45 MPa, Unannealed)127°CASTM D648Melting Temperature163°CFlammabilityNominal ValueTest Method	Hardness	Nominal Value	Unit	Test Method
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Flexural Strength (23°C)36.3MPaASTM D790ImpactNominal ValueUnitTest MethodNotched Izod Impact150J/mASTM D256ThermalNominal ValueUnitTest MethodDeflection Temperature Under Load (0.45 MPa, Unannealed)127°CASTM D648Melting Temperature163°CFlammabilityNominal ValueTest Method	Tensile Elongation (Break, 23°C)	> 200	%	ASTM D638
ImpactNominal ValueUnitTest MethodNotched Izod Impact150J/mASTM D256ThermalNominal ValueUnitTest MethodDeflection Temperature Under Load (0.45 MPa, Unannealed)127°CASTM D648Melting Temperature163°CFlammabilityNominal ValueTest Method	Flexural Modulus (23°C)	932	МРа	ASTM D790
Notched Izod Impact 150 J/m ASTM D256  Thermal Nominal Value Unit Test Method  Deflection Temperature Under Load (0.45 MPa, Unannealed) 127 °C ASTM D648  Melting Temperature 163 °C  Flammability Nominal Value Test Method	Flexural Strength (23°C)	36.3	МРа	ASTM D790
ThermalNominal ValueUnitTest MethodDeflection Temperature Under Load (0.45 MPa, Unannealed)127°CASTM D648Melting Temperature163°CFlammabilityNominal ValueTest Method	Impact	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed) 127 °C ASTM D648  Melting Temperature 163 °C  Flammability Nominal Value Test Method	Notched Izod Impact	150	J/m	ASTM D256
MPa, Unannealed) 127 °C ASTM D648  Melting Temperature 163 °C  Flammability Nominal Value Test Method	Thermal	Nominal Value	Unit	Test Method
Melting Temperature 163 °C  Flammability Nominal Value Test Method				
Flammability Nominal Value Test Method	MPa, Unannealed)	127	°C	ASTM D648
	Melting Temperature	163	°C	
Flame Rating HB UL 94	Flammability	Nominal Value		Test Method
	Flame Rating	НВ		UL 94

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