

KOPA® KN136 Data Sheet

Polyamide 6

Supplied by Kolon Plastics, Inc.

General

Material Status

- Commercial: Active

Availability

- Asia Pacific
- North America
- Europe
- South America

Additive

- Lubricant

Features

- Fast Molding Cycle
- Medium Viscosity

Forms

- Pellets

Physical

Specific Gravity

Nominal Value

Unit

Test Method

ASTM D792

Molding Shrinkage - Flow

in/in

ASTM D955

Water Absorption (Equilibrium, 73°F, 60% RH)

%

ASTM D570

Mechanical

Nominal Value

Unit

Test Method

Tensile Strength (Yield, 73°F)

psi

ASTM D638

Tensile Elongation (Yield, 73°F)

%

ASTM D638

Flexural Modulus (73°F)

psi

ASTM D790

Flexural Strength (73°F)

psi

ASTM D790

Impact

Nominal Value

Unit

Test Method

Notched Izod Impact (73°F)

ft·lb/in

ASTM D256

Hardness

Nominal Value

Unit

Test Method

Rockwell Hardness (R-Scale)

ASTM D785

Thermal

Nominal Value

Unit

Test Method

Deflection Temperature Under Load			ASTM D648
66 psi, Unannealed		°F	
264 psi, Unannealed		°F	
Melting Temperature		°F	
CLTE - Flow		in/in/°F	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength		V/mil	ASTM D149
Dielectric Constant (1 MHz)			ASTM D150
Arc Resistance		sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94

Related Terminology

Product names can be difficult to match. You may have searched any one of these terms to find this product: KOPA® KN136, KOPA KN136, KOPA® , KOPA, KOPAKN136, KN 136, KN136, Polyamide 6, Nylon 6, Polyamide, Nylon, pa6, Kolon, Polyamide6, Nylon6, 136KN

Generic Name

Generic Name may also be described by the following terms: PA6.

Features

Features may also be described by the following terms: Fast Cycle, Rapid Cycle, Productivity, Fast Molding Cycle, Medium Viscosity.

Notes

¹Typical properties: these are not to be construed as specifications.

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