

Polypropylene KN-501

Sub-group:

Impact copolymer Polypropylene

Description:

Excellent color and processing stability, excellent long term heat aging properties, wet / dry environment resistance.

Applications:

Suggested uses include automotive, housewares, toys, furniture.
UL approved.

Process:

Injection Molding.

Control Properties:

	ASTM Method	Units	Values
Nominal Melt Flow Rate (230°C/2.16kg)	D-1238	g/10 min	8

Plaque Properties ^a:

	ASTM Method	Units	Values
Tensile strength at yield (2 in/min, 50 mm/min)	D-638	psi / MPa	3,700 / 26
Elongation at yield (2 in/min, 50 mm/min)	D-638	%	6
Flexural Modulus (0.05 in/min, 1.3 mm/min, 1% secant)	D-790A	psi / MPa	170,000 / 1,172
Notched IZOD impact strength at 23°C	D-256A	ft-lbs/in / J/m	2.3 / 123
Gardner impact strength at -29°C (Geomerty GC)	D-5420G	ft-lbs	21

a) Tests made in injection molded plates according to ASTM D-4101 classification.

