

Noryl®

The Strong Engineering Plastic with Outstanding Mechanical, Thermal and Electrical Properties

King Plastic Corporation's black Noryl is a high-performance engineering sheet molded from quality EN 265 resin. Very low moisture absorption and low thermal expansion make Noryl one of the most dimensionally stable thermoplastics available. Noryl is widely used for electrical housings and structural components. It has excellent insulating properties, flame resistance, and dimensional stability over a wide range of service temperatures. Noryl is often selected for fluid handling applications since it has low moisture absorption, excellent strength and stiffness that is easily machined, fabricated, painted and glued.

Applications

- Electrical Equipment
- Machinery
- Manifolds
- Pumps, Valves and Fittings
- Replaces Die-Cast Metal
- Replaces Stamped Steel
- Use as Electrodes in Electrolyzer

Specifications

Standard Sheet Size

in: 48" x 96"

mm: 1219mm x 2438mm

Standard Gauges

in: 1/2" | 5/8" | 3/4" | 1" | 1-1/4" | 1-1/2"

mm: 12.7mm | 15.875mm | 19.05mm | 25.4mm | 31.75mm | 38.1mm

in: 1-3/4" | 2" | 2-1/4" | 2-1/2" | 3" | 4"

mm: 44.75mm | 50.8mm | 57.15mm | 63.5mm | 76.2mm | 101.6mm

Approximate Weight

lbs: 88lbs | 110lbs | 132lbs | 176lbs | 220lbs | 264lbs

kg: 40mm | 50mm | 60mm | 80mm | 99.7mm | 119.7mm

lbs: 309lbs | 353lbs | 397lbs | 441lbs | 529lbs | 705lbs

kg: 140kg | 160kg | 180kg | 200kg | 240kg | 319.7kg

Tolerance Information:

Gauges 1/2" through under 1-1/2" ± 10% | Gauges 1-1/2" and greater plus only

Length and width plus only at room temperature

Custom gauges available upon request

Additional Information

Not suitable for direct exposure to petroleum product

Standard Color



Black

Note: Color accuracy can vary considerably on computer monitors and printers. Please consult your distributor for a product sample before making critical color choices.

Properties	Units	ASTM	Nominal Values
Density	g/cc	D792	1.08
Tensile Strength @ Yield	psi	D638	9,200
Elongation @ Break	%	D638	25
Flexural Modulus	psi	D790	370,000
Flexural Yield Strength	psi	D790	14,400
Durometer	Rockwell-R	D785	119
Gardner Impact	ft./lbs.	D3029	11
Notched Izod Impact	ft.lbs./in.	D256	3.5
Arc Resistance	PLC Code	D495	6
Heat Deflection Temp. 264p.s.i.	°C (°F)	D648	123°C (253°F)
Oxygen Index	%	D2863	29.2
Flammability	Rating	UL94	V-1

All values are determined on specimens prepared according to ASTM Standards.

Nominal values should not be interpreted as specifications.

Noryl® is RoHS, directive 2002/95/EC and its amendments.



King Plastic Corporation
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