

NORYL® (modified ppo)



Noryl® modified PPO is an engineering thermoplastic with outstanding strength, stiffness, and electrical insulating properties. Noryl® has high dielectric strength, a low coefficient of thermal expansion, and low moisture absorption which make it an excellent choice for electrical applications that require machining to tight tolerances.

Noryl® is available in glass-filled grades which have enhanced strength and stiffness.

KEY CHARACTERISTICS:

- High dielectric strength
- Strong and stiff
- Good impact resistance
- Good dimensional stability
- Easy to machine
- Glass-filled grades available
- Grades available that meet UL 94-V0

APPLICATIONS:

- Electrical components
- Semiconductor equipment parts
- Scientific instrumentation components

NORYL® TYPICAL PROPERTIES:

	UNITS	ASTM TEST	NORYL®	NORYL® 30% GLASS-FILLED
Tensile strength	psi	D-638	9,600	17,500
Flexural modulus	psi	D-790	370,000	1,130,000
Izod impact (notched)	ft-lbs/in of notch	D-256	3.5	2.2
Heat deflection temperature @264 psi	°F	D-648	254	275
Maximum continuous service temperature in air	°F		220	221
Water absorption (immersion 24 hours)	%	D-570	0.07	0.06
Coefficient of linear thermal expansion	in/in/°Fx10 ⁻⁵	D-696	3.3	1.4

Standard Sizes: SHEET: 24"x48" (0.25"-4.0" thick) ROD: diameter 0.1875"-8.0"

Length, width, thickness, and diameter tolerances vary by size and by manufacturer • Custom sizes and colors available upon request • Many of our materials are available as films with thicknesses of 0.029" or less. Values may vary according to brand name. Please ask your Curbell Plastics representative for more specific information about an individual brand..

Curbell Plastics has been supplying plastic sheet, rod, tube, films, adhesives, sealants, and prototyping materials for over 65 years



NATIONWIDE
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