

Noryl®

Thermoplastic resin

OVERVIEW

Noryl is a strong thermoplastic with outstanding strength, stiffness, mechanical, thermal, and electrical properties. Low moisture absorption and low thermal expansion make Noryl one of the most dimensionally stable thermoplastics available. It is widely used for electrical housings and structural components since it has excellent insulating properties, flame resistance, and dimensional stability over a wide range of service temperatures, and is often selected for fluid handling applications since it has low moisture absorption and excellent strength and stiffness. Noryl is easily machined, fabricated, painted and glued.

APPLICATIONS

- Manifolds
- Pump, valve, and fitting applications
- Brackets
- Structural components
- Internal appliance components
- Scientific and analytical instrument components
- Electrical housings
- Covers
- Electrical components

FEATURES

- Excellent dimensional stability
- Low moisture absorption
- Wide range of service temperatures
- Good impact resistance
- High dielectric strength
- Easy to fabricate, paint, and glue

TECHNICAL DATA

PROPERTY	VALUE
Friction Coefficient	0.39
Tensile Strength	8300 - 9600 PSI
Flexural Strength	12900 - 13500 PSI
Shear Strength	8300 PSI
Impact Strength, Notched Izon	2.9 - 5 Ft-lbs/Inch
Hardness (Rockwell & Burnell)	M92, R119
Deflection Temperature (264 PSI)	260 - 265F
Specific Gravity	1.08
Melting Point	310 F

The data provided gives the typical properties of the material. These are "typical" properties only, and should not be used for specification purposes. This information is based on our experience to date and we believe it to be reliable. It is intended to be used only as a guide at your discretion and risk. Jade cannot guarantee favorable results and assumes no liability in connection with the use of this product. None of this information is to be taken as a license to operate under, or recommendation to infringe, any patents.