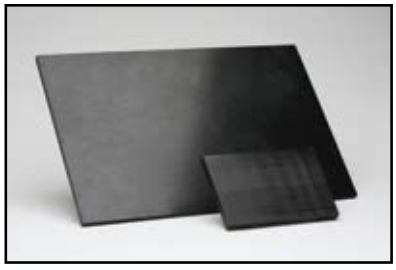
HIGH PERFOMANCE PLASTICS

NORYL® EN265

Modified PolyPhenylene Oxide / Modified PPO



*** NORYL® is the registered trademark of*

WESTLAKE PLASTICS COMPANY

PRODUCT CAPABILITIES:

· Sheet : 3/8" - 6"
· Rod : 1/2" - 6"
· Flim : 0.0602" – 0.187"

ADVANTAGES:

· Outstanding Mechanical, Thermal, Electrical Properties
· Excellent Dimensional Stability
· UL94 Rated V-O @ 0.236"
· Low Moisture Absorption
· Good Impact Resistance
· High Dielectric Strength
· Easy To Fabricate, Paint & Glue

PRODUCT COLORS:

● Black

APPLICATIONS INCLUDE:

· Manifolds
· Pump, Valve And Fitting Applications
· Scientific And Analytical Instrument Components
· Housings
· Covers
· Electrical Components

GENERAL PROPERTIES	ASTM or UL Test	NORYL® EN 265 Typical Values
PHYSICAL		
Specific Gravity (g/cm^3)	D792	1.08
Water Absorption, 24 hrs (%)	D570	0.07
MECHANICAL		
Tensile Strength (psi)	D638	9,200
Tensile Elongation at Break (%)	D638	25
Flexural Strength (psi)	D790	14,400
Flexural Modulus (psi)	D790	370,000
IZOD Notched Impact (ft-lb/in)	D256	3.5
IZOD Un-Notched Impact (ft-lb/in)	D256	–
Hardness, Rockwell	D7852	R119
THERMAL		
Coeff. of Thermal Expansion (x 10^{-5} in./in./°F)	D696	3.3
Heat Deflection Temp (°F / °C) @ 264 psi	D648	254 / 123
Thermal Conductivity (BTU-in/ft^2-hr-°F)	C177	–
Flammability Rating @ 0.236"	UL-94	V-O
ELECTRICAL		
Dielectric Strength (Kv/cm)	D149	500
Dielectric Constant @ 60 Hz	D150	2.69
Dielectric Factor @ 50 Hz	D150	0.0007
Volume Resistivity (ohm-cm) at 73°F, 50% RH	D257	–

NOTE: The information contained here in is typical values intended for reference only. They should NOT be used as a basis for design specifications or quality control.