



[industries3r.com](http://industries3r.com)

**Danville office**

Industries 3R inc.  
55, Road 116 West  
Danville (Quebec)  
Canada J0A 1A0

Telephone: (819) 839-2793  
Fax: (819) 839-2797  
Toll-free: (800) 567-2728  
Email: [info@industries3r.com](mailto:info@industries3r.com)

**Montreal office**

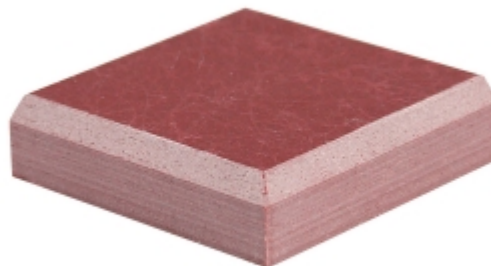
Industries 3R inc.  
1479, Begin street  
Ville St-Laurent (Quebec)  
Canada H4R 1V8

Telephone: (514) 333-3971  
Fax: (514) 333-7224  
Email: [info@industries3r.com](mailto:info@industries3r.com)

## GPO-3

### GPO-3

This GPO-3 is a fiberglass reinforced thermoset polyester electrical grade sheet. This composite has an excellent combination of high strength, flame resistance and low smoke generation. This makes it ideal as a flame arc/track resistant electrical insulation.



## APPLICATIONS

This composite is ideal for flame arc/track resistant electrical insulation such as insulators, used as bus bar supports, transformer parts and switchgear insulators.

## SPECIFICATIONS

### Physical properties

Specific Gravity (ASTM D-792)	<b>1.80</b>
Tensile strength (ASTM D-638) Psi	<b>9000</b>
Compressive Strength (ASTM D-695) Psi	<b>30 000</b>
Flexural Strength (ASTM D-790) Psi	<b>18 000</b>
IZOD Impact strength (notched) (ASTM D-256) ft.lb/in.	<b>8.0</b>
Water absorption (ASTM D-570) %	<b>0.2</b>

### Electrical properties

Electrical strength (ASTM D-149) Vpm	<b>450</b>
Arc Resistance (ASTM D-495) Sec.	<b>190</b>

### Thermal Properties

UL Subject 94 (0.094" & Thicker)	<b>94V0</b>
UL Temperature Temperature Index (UL 746B)	

Electrical	130 °C (266°F)
Mechanical	160 °C (320°F)
<b>Dielectric strenght, Parallel, Step By Step In Oil, KV</b>	<b>55.0</b>
<b>Dissipation Factor @60Hz</b>	<b>0.06</b>

**N.B.** The information presented may differ from practice. We recommend conducting tests according to the conditions of use. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products. The data is subject to certain variations without notice.