

## EXTRUDED PTFE FILMS

# R128 & R129

**R128** and **R129** Extruded PTFE Films are manufactured by **Saint-Gobain**® Performance Plastics Corporation, Tape Solutions business, and are intended for use as the primary insulation in high temperature wire and cable and wall construction of convoluted hoses.

**Norgard**® R128 and R129 are intended for the most demanding applications requiring high performance and tight tolerances while providing excellent dielectric strength, thermal and chemical resistance.

*\*Previously known as*

**FLUOROWRAP® A EXTRUDED PTFE FILM**



### FEATURES AND BENEFITS

- High dielectric strength
- Outstanding thermal and chemical resistance
- Meets MIL-W-16878/4A, 7139B, MIL-W-22759B and NAS703

### AVAILABILITY

- **Norgard R128:** Available in white and natural
- **Norgard R129:** Available in a wide range of colors
- Available on industry standard 3" (76 mm) ID cores in-flat pad, traverse wound or StablEdge™ packages
- Slit widths are available at 0.10" (2.5 mm) or wider
- Customized solutions available

### APPLICATIONS

- Wire and cable insulation for extreme chemical and thermal environments
- Power cable
- Coaxial cable
- Thermocouple wire
- Convoluted hose constructions

\*Pictures shown are for illustration purpose only.

## TYPICAL PROPERTIES

Thickness	2.0 mil	3.0 mil	4.0 mil	5.0 mil	10.0 mil	Unit
Thickness (metric)	0.051	0.076	0.102	0.127	0.254	mm
Density	1.6	1.6	1.6	1.6	1.6	g/cm <sup>3</sup>
Tensile Strength MD (minimum)	2,500	2,300	2,200	1,900	1,000	psi
	17.2	15.8	15.2	13.16.9	38	MPa
Tensile Strength TD (minimum)	250	275	350	350	375	psi
	1.7	1.9	2.4	2.4	2.6	MPa
Elongation (minimum)	75	125	125	150	300	%
Dielectric Strength	6,000	8,000	9,000	11,000	15,000	total Volts
Approximate Yield	60.2	40.1	30.1	24.1	12.0	ft <sup>2</sup> /lb
	12.3	8.2	6.2	4.9	2.5	m <sup>2</sup> /kg

The values presented are typical values and should not be used for specification purposes. Contact your **Saint-Gobain** Tape Solutions representative for more information.

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