

FG20

Silicone Foam Rubber

Saint-Gobain® Norseal® FG20 is manufactured by **Saint-Gobain** Performance Plastics Corporation, Tape Solutions business, and comes with a medium density modified cell structure-cell silicone foam rubber product intended to deliver environmentally stable, flame-retardant performance for gasketing, insulation and dampening applications. **Norseal** FG20 offers excellent compression set resistance and is often the product of choice in electronic applications. FG20 offers excellent resistance to environmental conditions, making it an excellent choice for both indoor and outdoor sealing and gasketing applications.

Norseal FG20 is specially intended to provide the following features:

- Smooth surface on both sides for excellent sealing against air, dust, light and moisture
- Excellent compression set resistance
- Excellent resistance to ultraviolet light, ozone and extreme temperature ranges
- Modified cell structure-cell foam
- Non-corrosive for use with metals and in hostile environments

Available Sizes

Standard thickness: .063, .125, .188 and .25 in. (1.6, 3.2, 4.8 and 6.4 mm)

Master roll size: 36 in. (914 mm) width. Length varies with thickness.

Special thickness and roll sizes also available.



APPLICATIONS

- Appliances
- Electronics
- Handheld devices
- Drones

Norseal FG20 – Properties

Performance tests are run using standard test procedures. The values presented are typical values and should not be used for specification purposes.

Property	Unit of Measure	Value	Test Method
Physical			
Colors	-	Gray	-
Tensile Strength	psi (kPa)	30 (207)	ASTM D412
Elongation at Break	%	60	ASTM D412
Density	lbs./ft ³ (kg/m ³)	20 (320)	ASTM D3574
Compression Deflection	psi (kPa)	6 (41)	ASTM D1056
Compression Set (50% for 22 hrs. at 212°F)	%	< 5	ASTM D1056
Surface Description	-	Smooth both sides	-
Flammability			
Flame Resistance (UL)	-	Pass	UL 94 V-0
Temperature Range	°F (°C)	-60 to + 400 (-51 to +204)	-

Important Instructions

Because **Saint-Gobain** cannot anticipate or control every potential application, we strongly recommend testing of this product under individual application conditions prior to commercial use.

Shelf Life

120 months from date of shipment for base material when stored in original packaging at temperatures up to 70°F (21°C), < 50% relative humidity, and away from direct sources of heat and direct sunlight. (See the applicable data sheets for pressure sensitive adhesive options).

IMPORTANT: It is the user's responsibility to ensure the suitability and safety of Saint-Gobain products for all intended uses and that the materials to be used comply with all applicable regulatory requirements. Saint-Gobain assumes no responsibility for any product failures that occur due to your actions or inactions, including your use, design, fabrication or application of the products into which the materials are incorporated.

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