

Siliconized paper liner

Closed-cell PVC foam

Pressure-sensitive acrylic adhesive

5040/5041 SERIES

Shock and vibration absorber. Flame retardant grade.

Norseal® 5041 is manufactured by **Saint-Gobain**® Performance Plastics Corporation, Tape Solutions business, and comes with a high density, closed cell PVC foam. It has excellent abrasion resistance and low water absorption.

Norseal 5041 is a high internal strength foam, which makes it an excellent shock absorber and vibration dampener. Its firmness and high deflection force are very useful in die-cut applications.

To create an adequate seal, the foam must be compressed a minimum of 30% in the final joint (depending on the shape of the gasket as well as the roughness of both surfaces). Once in place, the foam will be able to handle normal joint movement due to thermal expansion or environmental forces.

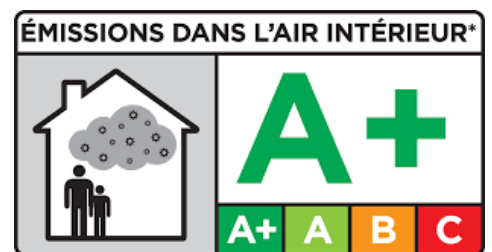
The acrylic adhesive used on the **Norseal** product line is a pressure sensitive adhesive and therefore must be applied to clean, dry surfaces. The adhesive is used to hold the gasket in place before compression.

Flame Retardant Grade

Norseal 5041 Black is B1 certified (DIN 4102-01, 05/98). Copy of the certificate will be forwarded on demand.

Also Available

Norseal 5040, regular (not flame retardant) grade.



APPLICATIONS

- Die-cutting
- Concrete forms
- Anti-squeak
- Water tanks
- Appliance seals



Norseal 5041 Series – Properties

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

Thickness (mm) × length (m)	1.5 × 60 - 3.0 × 30 - 4.5 × 20 - 6.0 × 15
Widths:	6 mm to 1422 mm
Min. useful width:	1360 mm
Colour:	Black or grey*
Liner:	Siliconised paper

* MOQs may apply
Other roll lengths, colours & liner (polyester) are also available. Please ask for MOQs

Property	Value	Test Method
Density (kg/m ³)	165-260	ASTM D-1667
Compression, 30% (N/cm ²)	min. 4	ASTM D-1667
Deflection, 30% (N/cm ²)	min. 2.5	ASTM D-1667
Compression set @50% (%)	<10	ASTM D-1667
Hardness (shore OO)	40	ASTM D-2240
Tensile (N/cm ²)	64	DIN 53571
Elongation (%)	210	DIN 53571
Water absorption (%)	<15	NTP-35
Water-tightness (U-Test - 30%)	Pass	NTP-38
Air-tightness @30%, 2000 Pa	No leak	10PRT128
Service temperature (°C)	-40 to +70	
Application temperature (°C)	-30 to +50	
Flammability	HBF	UL-94
Thermal conductivity (mW/mK) 0kPa	37	ISO 8302
Fungus resistance	0 = inert or fungistatic	ISO 846 A&C

* NTP = Norton Test Procedure.

Storage

Material should be stored at room temperature.

Shelf Life

The adhesion performance decreases with time; we therefore recommend use within 6 months after delivery.



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