

AGP200

Norseal® AGP200 Bio-based PUR Foam

Conforms to demanding sealing applications and interior requirements

In order to meet the increasingly demanding requirements of the automotive market, **Saint-Gobain**® Performance Plastics Corporation, Tape Solutions business, has developed **Norseal** AGP200, an unmatched bio-based polyurethane foam intended to deliver superior sealing performance. By combining high material softness with outstanding sealing performances, AGP200 intends to provide a unique solution for applications requiring water tightness yet high softness and conformability. AGP200 is therefore perfectly suitable when large tolerances must be recovered or when low deflection force on pieces in contact is needed. Thanks to its skins on both sides, AGP200 can be used with only 30% compression to achieve full sealability to water, dust, wind and noise, even under extreme environmental and temperature conditions. This single advantage compared to other gasketing technologies allows you to perform cost savings by using less material to fill the same gap.

Tailored to match the demanding requirements of applications inside the car interior or in contact with the circulating air, AGP200 is intended to reach especially low fogging and VOC emissions as well as low smell. AGP200 is a product manufactured with bio-based materials, without plasticizers, that enable a high compatibility with any kind of adhesive. This exceptional blend of distinctive properties makes AGP200 the most suitable solution for a broad range of highly demanding gasketing applications in automotive.

Features & Benefits

- Outstanding water tightness for demanding sealing applications
- Softness, conformability and low force to compress for large tolerances recovery and no distortion on pieces in contact
- Material and cost savings as only 30% compression is required for sealability
- Extremely low fogging and VOC emissions, low odour, for direct use in interior applications (Sulfur Free formulations)
- Broad temperature range allowing automotive underhood applications
- Superior flame resistance and very high thermal insulation properties
- Plasticizer free, making high compatibility with any kind of adhesive, and no crazing of thermoplastics
- Excellent aging capabilities for lasting properties



Skin on both sides, to achieve full sealability

Bio-based PUR foam



APPLICATIONS

- Automotive HVAC gasketing
- Instrument panel and windscreen sealing
- Roof and pillar mounting

Norseal AGP200 – Properties

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

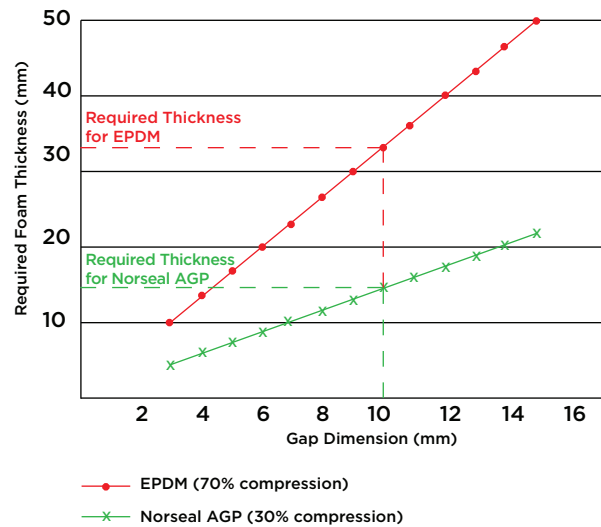
Thickness (mm) × Length (m)	3×65 - 4.5×45 - 6×35 - 8×25 - 10×20 - 12×19 - 15×14 - 17×12 - 20×10 - 25×8 - 30×7
Thickness tolerance = +/- 15%	
Colour:	Black
Configuration:	Without adhesive (with liner)
Log size:	Usable width = 1000 mm Log diameter = +/- 0.50 m Core = 75mm
Packaging:	4 logs / box - 1 box / pallet

Property	Test Method	Value or Rating		
		3 mm	4.5 & 6mm	> 8mm
Force to compress @ 30% (kPa)	ASTM D-1667	11	9	7
Deflection @ 30% (kPa)	ASTM D-1667	7	5	4
Density (kg/m³)	ISO 845	70	60	50
Elongation (%)	ASTM D-3574 Die A	100	100	125
Tensile strength (N/cm²)	ASTM D-3574	10	8	8
Compression Set (%)	ASTM D-1667	10		
Compression ratio for water seal (%)	-	30		
Fogging	SAE J1 756 - 3 hrs @ 100°C / 21°C	> 95% clarity		
	VW 50180	Pass		
Flammability (mm/min)	ISO 3795 / FMVSS 302	50		
Temperature (°C)		Continuous: -40 to +70		Intermittent: +120

Recommended Norseal AGP200 Thickness vs. Gap to Fill

Gap to Seal (mm)	Recommended AGP200 Thickness (mm) *
2	3
3	4.5
4	6
5	8
6	10
7	10
8	12
9	15
10	15
11	17
12	17
13	20
14	20
15	25
16	25
17	25

* based on nominal thicknesses



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