

AGP™ 200

Ecological, Water-Tight, Ultra-Soft Foam



AGP™ 200 Foam

AGP™ 200 is a uniquely engineered polymer foam that provides outstanding performance characteristics previously unavailable in a single sealing product.

Its softness and conformability allows AGP™ 200 to recover larger tolerances during assembly, yet it avoids distortion of thin-wall plastics. AGP™ 200 attains an efficient water seal at only 30% compression and it will perform under extreme environmental and temperature conditions.

AGP™ 200 contains no plasticizers and will not craze sensitive materials or migrate to the paint surface causing a ghost mark. Moreover, it is odourless and halogen-free, making it an environmentally friendly product. Other key advantages of using AGP™ 200 foam are its superior physical properties : very low fogging, low flammability and thickness range.

Applications

- Automotive HVAC gasketing
- Automotive lighting gaskets
- Automotive weatherstrip gap seal

Features & Benefits

- Very efficient water seal with only 30% compression
- Soft, conformable, easily compressible foam, compensates very high tolerances
- Outstanding fogging properties allow direct use in automotive HVAC and direct interior applications
- Wide temperature range allows automotive underhood applications
- Low energy surface adhesives with excellent aging capability
- Excellent weathering characteristics allow exterior applications
- No odour
- Lack of plasticizer allows direct contact with automotive paint and sensitive plastics such as ABS, PC, etc.
- Superior flame resistance complies with FMVSS302
- Skin on both sides



AGP™200 - Product range

Thickness (mm) x Length (m) 3x65 - 4.5x45 - 6x35 - 8x25 - 10x20 - 12x18 - 15x14 - 17x12 - 20x10 - 25x8 - 30x7
 (in) x (ft) .12x65 - .18x148 - .24x115 - .31x82 - .39x66 - .47x59 - .59x46 - .67x39 - .75x33 - .98x26 - 1.18x23

Thickness tolerance = +/- 15%

Colour : Black
 Configuration : Without adhesive (with liner)
 Log size : Usable width = 39.3" (1000mm)
 Log diameter = +/- 20" (0.50)
 Core = 3" (75mm)
 Packaging : 4 logs / box - 1 box / pallet

Property	Test Method	Value or Rating		
		.12" (3mm)	.18" & .24" (4.5 & 6mm)	>.31" (8mm)
Force to compress @ 30%, psi (kPa)	ASTM D-1667	1.6 (11)	1.3 (9)	1.0 (7)
Deflection @ 30%, psi (kPa)	ASTM D-1667	1.0 (7)	.7 (5)	.6 (4)
Density, lb/ft ³ (kg/m ³)	ISO 845	4.4 (70)	3.7 (60)	3.12 (50)
Elongation (%)	ASTM D-3574 Die A	100	100	125
Tensile strength, psi (N/cm ²)	ASTM D-3574	.15 (10)	.12 (8)	.12 (8)
Compression set (%)	ASTM D-1667		10	
Compression ratio for water seal (%)	-		30	
Fogging	SAE J1756 3 hrs @ 212°F / 70°F (100°C / 21 °C)		> 95% clarity	
	VW 50180		Pass	
Flammability, in/min (mm/min)	ISO 3795 / FMVSS 302		2 (50)	
Temperature range, °F (°C)		-40 to +248 (-40 to +120)		

Note : Parameter values are not guaranteed and will differ from lot to lot. For specification writing, contact the Application Engineering Department.

Recommended AGP™200 Thickness vs. Gap to Fill

Distance between substrates to seal in (mm)	Recommended AGP200 thickness in (mm)
.08 (2)	.12 (3)
.12 (3)	.18 (4.5)
.16 (4)	.24 (6)
.20 (5)	.31 (8)
.24 (6)	.39 (10)
.27 (7)	.39 (10)
.31 (8)	.47 (12)
.35 (9)	.59 (15)
.39 (10)	.59 (15)
.43 (11)	.67 (17)
.47 (12)	.67 (17)
.51 (13)	.75 (20)
.55 (14)	.75 (20)
.59 (15)	.98 (25)
.63 (16)	.98 (25)
.67 (17)	.98 (25)

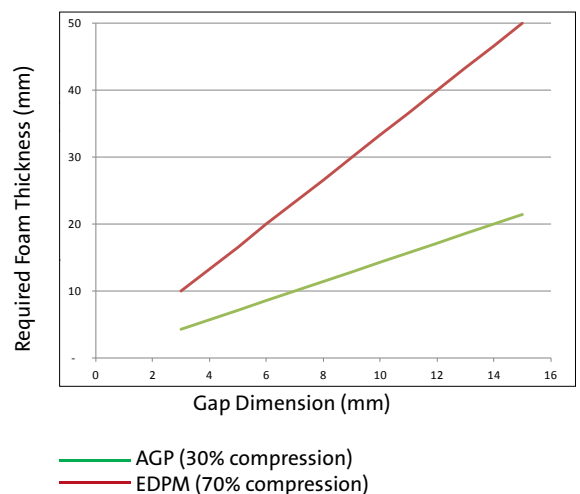
* based on nominal thicknesses

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