

GLS™ TPE
AUTOMOTIVE SOLUTIONS

IMPROVE VEHICLE
AIR QUALITY WITH
TPEs FOR AUTOMOTIVE
HVAC FLAPS



Vehicle interior air quality in passenger vehicles and strict automotive OEM standards have driven our advancement of these low VOC, low fogging TPEs for use in heating/ventilation/air conditioning seals. Avient's GLS™ TPEs for automotive HVAC seals are engineered to improve vehicle interior air quality (VIAQ), and have been shown to help achieve global OEM requirements when externally tested against industry standards.

	ONFLEX™ LO 7120-45	ONFLEX™ HT 40A-3S2131	BERGAFLEX™ BFIG 45A-300
Applications	HVAC Seals	HVAC Seals	HVAC Seals
	Interior - direct airflow	Interior & exterior	Interior - direct airflow
HVAC feature	Low VOC/FOG & odor	Low VOC/FOG & odor	Low odor
	Cold air	Hot air	Cold air
VDA 270	≤3.0	≤3.0	≤3.0
VOC/FOG VDA 278 (VOC)	97µg/g	100µg/g	196µg/g
VDA 278 (FOG)	1131µg/g	1116µg/g	1707µg/g
DIN 75201 (FOG)	0.3mg	1.7mg	1.1mg
73°F (23°C) 72 hrs	15%	12%	15%
158°F (70°C) 22 hrs	45%	28%	50%
212°F (100°C) 22 hrs	70%	45%	90%
Density	1.15 g/ml	1.00 g/ml	1.17 g/ml
Processing	Injection Molding	Injection Molding/ Extrusion	Injection Molding
Bonds to	Polypropylene	Polypropylene/ Polyethylene	Polypropylene
Hardness range	35–65 Shore A	40–70 Shore A	35–65 Shore A



GLS automotive TPEs are designed to improve driver and passenger safety and comfort. This industry-leading TPE technology reduces volatile organic compounds (VOCs) by 50% and fogging by 35% versus existing TPEs for HVAC applications.

HOW GLS TPEs MAKE THE DIFFERENCE IN AUTOMOTIVE HVAC APPLICATIONS

- **Low VOC/FOG** – externally tested to VDA 278 and shows significant reductions in volatile organic compounds and fogging when compared to current TPE technologies
- **Industry standards** – helps to achieve VOC/FOG performance standards for improved VIAQ
- **Reduced manufacturing steps** – does not require pre-drying or post heating to reduce VOC in parts produced
- **Design optimization** – color can be added at the machine
- **Easy to process** – can be extruded, injection molded and extrusion blow molded
- **Recyclable** – Our automotive TPEs are compatible with most municipal recycle streams
- **Global support** – Avient automotive TPEs can be manufactured in locations that are convenient to your operations, including North America, Europe or China

To learn more about GLS TPEs for automotive applications, contact Avient at +1.844.4AVIENT (+1.844.428.4368).

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