

Low Emission @ LyondellBasell

Your solutions for a better air quality in the passenger cabin

When talking about car interior, one of the most intensively discussed topics is “low emission” as most of the car producers are working on the improvement of the air quality within the passengers compartment. However, what means “low emission” in this context. The answer must be: it is not just emission; it is a combination of odor, fogging and emission.

Odor

Refers to perceivable substances



Common standards

- **VDA 270 (Oct, 1992)**
Odor Characteristics

Key OEM standards

- **Daimler**
DBL 5430
- **Ford**
FLTM BO 131-01, FLTM BO 131-03
- **Opel**
GMW 3205
- **Porsche**
PPV 8010
- **Renault**
D49 3001
- **Volkswagen/Audi**
VW 50180, PV3900
- **Volvo**
VCS 1027, 2729

Fogging

Refers to plaque forming substances



Common standards

- **DIN 75201 (Nov, 2011)**
Fogging Characteristics
- **VDA 278 (Oct, 2011)**
Condensable Substances (Fog)

Key OEM standards

- **Daimler**
DBL 5430
- **Ford**
SAE J1756
- **Opel**
GMW 3235
GME 60326
- **Porsche**
PN 780
- **PSA**
PSA D45 1727
- **Renault**
D45 1727
- **Volkswagen/Audi**
VW 50180, PV3015
- **Volvo**
VCS 1027,2719

Emission

Refers to harmful substances



Common standards

- **DIN EN 13130-4**
- **VDA 275 (Jul, 1994)**
Formaldehyde
- **VDA 277 (Jan, 1995)**
Total Carbon Emission (TVOC)
- **VDA 278 (Oct, 2011)**
Volatile Organic Components (VOC)

Key OEM standards

- **BMW**
AA-0061
PA-C325
- **Daimler**
DBL 5430
- **Ford**
FLTM BZ 156-01
FLTM BZ 157-01
- **Opel**
GMW 15635
- **Renault**
D42 3109
- **Volkswagen/Audi**
VW 50180 PV3341
VW 50180 PV3925
- **Volvo**
VCS 1027, 2739
VCS 1027, 2749

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- *Polyfort*, *Hifax*, *Hostacom* and *Softell* Polypropylene Co- and Homopolymer
- *Schulamid* Polyamide 6 and Polyamide 66
- *Schulaketon* Polyketon
- *Schulaform* Polyacetals
- *Schulablend* various Polymeric blends

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