

# 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

The specific requirements are regulated by OEM standards depending on the material and application.

# ABOUT US

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