PRODUCT INFORMATION

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

LyondellBasell offers a wide range of filled and unfilled compounds based on most various polymers like:

❙ *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

LyondellBasell (NYSE: LYB) is one of the largest plastics, chemicals and refining companies in the world. Driven by its employees around the globe, LyondellBasell produces materials and products that are key to advancing solutions to modern challenges like enhancing food safety through lightweight and flexible packaging, protecting the purity of water supplies through stronger and more versatile pipes, improving the safety, comfort and fuel efficiency of many of the cars and trucks on the road, and ensuring the safe and effective functionality in electronics and appliances. LyondellBasell sells products into more than 100 countries and is the world's largest producer of polymer compounds and the largest licensor of polyolefin technologies. More information about LyondellBasell can be found at www.LyondellBasell.com.

For more information, visit lyb.com

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