



Westfalen

Product sheet Opteon™ XL55 (R-452B)

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| Product name | Opteon™ XL55 (R-452B) |
| Physical state | liquefied under pressure |
| Chemical sign | CH ₂ F ₂ + C ₂ HF ₅ + C ₃ H ₂ F ₄ |
| Chemical designation | R-452B |
| Purity | 99,5 % |
| Standard | is not subject to any standard |
| Properties | see safety data sheet |
| Shoulder color | flame red (RAL 3000) |

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| Components | |
| R-32 Difluoromethane | 67,0 wt% |
| R-125 (Pentafluoroethane) | 7,0 wt% |
| R-1234yf (2,3,3,3-Tetrafluoroprop-1-ene) | 26,0 wt% |

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| Minor components | Maximum values |
| organic substances | 0,5 wt% |
| Moisture | 25,0 wt. ppm |
| high-boiling residues | 50,0 wt. ppm |
| non-condensable gases | 1,5 vol.% |

| Name | Material number | Bottle type | Bottle container volume | Vapour/filling pressure | Content | Valve | Properties |
|---------------------------------|-----------------|-------------|-------------------------|-------------------------|---------|---------------|----------------|
| Refrigerant R-452B T12: 9,0 kg | A06900112 | steel | 12,0 l | 13,86 bar | 9,0 kg | DIN 477 No. 1 | immersion tube |
| Refrigerant R-452B T61: 47,0 kg | A06900161 | steel | 61,0 l | 13,86 bar | 47,0 kg | DIN 477 No. 1 | immersion tube |

Vapour pressure corresponds to 293.15 K (20°C).



Typical applications

- as a refrigerant

Physical data

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|-------------------|--|--------------------------|
| operating figures | Safety group according to DIN EN 378 | A2L |
| | Global warming potential (GWP ₁₀₀) | 698 |
| | Molar mass | 63,5 g mol ⁻¹ |
| Critical Point | Temperature | 350,25 (77,1) K (°C) |
| | density | 443,7 kg m ⁻³ |
| | Pressure | 52,2 bar |

All mentioned data, values and notes correspond to actual state of knowledge on the date of printing. They make no claim to be correct or complete and therefore do not release the user from his obligation to check them.

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