



Product sheet R-290

Product name	R-290
Physical state	liquefied under pressure
Chemical sign	C ₃ H ₈
Chemical designation	R-290 (Propane)
Purity	99,5 %
Standard	DIN 8960 / AHRI Standard 700
Properties	see safety data sheet
Shoulder color	flame red (RAL 3000)

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 290 T12 RCyl: 5,0 kg	A06600112	steel	12,0 l		5,0 kg	DIN 477 No. 1 (W 21,80 x immersion tube 1/14 LH)	
Refrigerant R 290 T27 RCyl DV: 11,0 kg	A0660012749	steel	27,0 l		11,0 kg	DIN 477 No. 1 (W 21,80 x immersion tube 1/14 LH)	Cage, immersion tube
Refrigerant R 290 T61 RCyl: 25,0 kg	A06600161	steel	61,0 l		25,0 kg	DIN 477 No. 1 (W 21,80 x immersion tube 1/14 LH)	
Refrigerant R-2900 T900 RDrum: 378,0 kg	A06600590	steel	900,0 l		378,0 kg	Valve barrel KM RW (W 21,80 x immersion tube 1/14)	immersion tube

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



Typical applications

- as a refrigerant
- in industrial refrigeration
- in household appliances

Physical data

operating figures	Safety group according to DIN EN 378	A3
	Global warming potential (GWP ₁₀₀)	3,3
	Molar mass	44,0 g mol ⁻¹
	Flammability (LFL)	0,038 kg m ⁻³
	ozone depletion potential	0
	practical threshold value	0,008 kg m ⁻³
Liquid State	Boiling Point	231,15 (-42,00) K (°C)
Critical Point	Temperature	369,82 (96,67) K (°C)
	density	217 kg m ⁻³
	Pressure	42,5 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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