

Exxsol™ Pentane 100 S

Pentane Fluid

Product Description	Key Features
High purity normal pentane suitable for: Blowing agents Consumer products/ aerosol Cosmetics/personal care products Polymer processing	<ol style="list-style-type: none"> 1. Very low benzene content for food contact applications 2. Compliant with most food contact legislations for polymerization aids 3. Low non-volatile matters 4. Very low sulfur content (typically 1 ppm or lower) - no corrosion effects on equipment and virtually no residue

General		
Availability ¹	▪ Africa & Middle East	▪ Europe
Revision Date	▪ 03/01/2020	

Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Appearance	Bright & Clear	Bright & Clear	EC A-A01
Aromatic Content	≤0.001 wt%	≤0.001 wt%	UV1
Benzene Content	≤1 mg/kg	≤1 mg/kg	UV2
Bromine Index	1 mg/100 g	1 mg/100 g	ASTM D2710 (mod)
Color, Saybolt	+30	+30	ASTM D6045
Density (15°C)	632 kg/m ³	632 kg/m ³	ISO 12185
Evaporation Rate (n-BuAc = 100)	4400	4400	ER 1-12
Flash Point	-48 °C	-48 °C	Calculated
Non Volatile Matter	< 10 g/m ³	< 10 g/m ³	ASTM D1353
Refractive Index (20°C)	1.358	1.358	ASTM D1218
Sulfur Content	≤1 mg/kg	≤1 mg/kg	ASTM D5453
Viscosity (25°C)	0.33 mm ² /s	0.33 mm ² /s	Calculated

Composition	Typical Value (English)	Typical Value (SI)	Test Based On
Cyclopentane & C6	1.0 wt%	1.0 wt%	GC2
iC5 + nC5	99 wt%	99 wt%	GC2
Isopentane	1.5 wt%	1.5 wt%	GC2
n-Hexane	< 0.1 wt%	< 0.1 wt%	GC2
Purity	98 wt%	98 wt%	GC2

Distillation	Typical Value (English)	Typical Value (SI)	Test Based On
Distillation Range			EC M-F16
Initial Boiling Point (IBP)	36 °C	36 °C	
Dry Point (DP)	37 °C	37 °C	

Notes

Typical properties: these are not to be construed as specifications.

The values indicated in this document may deviate from the test method requirements by the number of significant figures shown.

Typical values may be calculated based upon measured values of blend components, if applicable.

Values may be determined by one or more ExxonMobil test methods equivalent to industry standard test methods.

Applicable sampling and testing methods are subject to change without notice and are available for review on request.

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

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