

TECHNICAL BROCHURE
N° 554800

CHEMICALS

ALIPHATIC SOLVENTS

NORMAL PENTANE

Normal pentane is a colourless liquid, extremely flammable at ambient temperature, with a high vapour tension. It is an aliphatic solvent of normal paraffins with five saturated carbon atoms, obtained by molecular extraction.

APPLICATIONS

It is used in solvent extraction processes; pesticides; polymerization (expanded polystyrene), desorption from molecular sieves, etc.

SPECIFICATIONS

Analysis	Specifications	Methods
Density at 15 °C (g/ml)	0.630-0.640	ASTM D4052
Normal pentane (wt %)	min. 95	INS_-0010166
Butanes and lighter (wt %)	max. 0.5	INS_-0010166
Hexanes and heavier (wt %)	max. 1	INS_-0010166
Cyclo and isopentane (wt %)	Balance	INS_-0010166
Sulphur (mg/kg)	max. 0.5	ASTM D4045 / ASTM D5453 / UOP 987
Total nitrogen (mg/kg)	max. 1.0	ASTM D4629
Carbonyl (mg/l)	max. 1.0	ASTM E411
Benzene (mg/kg)	max. 100	INS_-0007254
Bromine index (mg/100 g)	max. 20	ASTM D2710
Non-volatile residue (g/100 ml)	max. 0.001	ASTM D1353
Acidity distillation residue	Neutral	ASTM D1093
Copper corrosion (2 hs at 100 °C)	max. 1	ASTM D130
Saybolt colour	min.+30	ASTM D6045
Appearance	Bright, clear liquid, free from sediments	Visual

NOTE: product without antistatic additives (typical conductivity < 25 pS/m).

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