

'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION

C₅H₁₂

Pentane for MOVPE and CVD applications

'MO-CVD

BP: 36 °C/97 °F/1013 hPa

'PENTANE

PRODUCT DATASHEET

'PENTANE

IDENTIFICATION

CAS-No:	109-66-0
EG-No:	203-692-4
Other name:	-

'MO-CVD

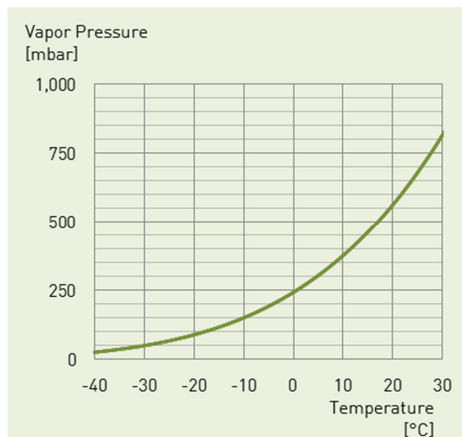
PHYSICAL PROPERTIES

Vapor pressure equat.:	$\ln p(\text{Torr}) = 15.83 - 2477.08 / (T(\text{K}) - 39.94)$
Density:	0.63 g/cm ³
Molweight:	72.15 g/mol
Melting point:	-130°C/-202°F
Boiling point:	36 °C/97 °F/1013 hPa

QUALITY STANDARDS

EG	Electronic Grade
TG	Technical Grade

VAPOR PRESSURE CURVE



APPLICATION

C-dopant for MOCVD

PRODUCT DATASHEET

CHEMICAL PROPERTIES

Stability:	Stable under normal conditions
State of matter:	Liquid

SAFETY & TRANSPORT

Toxicity:	Slightly toxic
Explosion limit Vol%:	1.5-7.8%
Auto ignition temp. °C:	260 °C
ADR/RID	
ADR/RID-class:	3
UN-no:	1265
IMDG	
IMDG -class:	3
UN-no:	1265
ICAO/IATA	
ICAO/IATA-class:	3
UN-no:	1265 - AIRFREIGHT ALLOWED

For further details please refer to Safety Data Sheet (SDS)

PACKAGING & STANDARD FILLING VOLUMES

Pentane.230.DOCK/10.400	230g / 400ccm cyl.
Pentane.560.DOCK/10.1000	560g / 1000ccm cyl.
Pentane.1750.DOCK/10.3000	1750g / 3000ccm cyl.
Pentane.2200.DOCK/10.3950	2200g / 3950ccm cyl.
Pentane.4500.DOCK/10.8000	4500g / 8000ccm cyl.

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