

Polystyrene

Other names:	polystyrene
InchiKey:	PPBRXRYQALVLMV-UHFFFAOYSA-N
Formula:	C ₈ H ₈ *2
SMILES:	*CC(*)c1ccccc1
Mol. weight [g/mol]:	104.15

Physical Properties

Property code	Value	Unit	Source
hf	-53.99	kJ/mol	Cheméo Relay (1.0)
hvap	47.60	kJ/mol	Cheméo Relay (1.0)
ie	8.62	eV	Cheméo Relay (1.0)
tb	468.12	K	Cheméo Relay (1.0)
tf	280.77	K	Cheméo Relay (1.0)

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C9003536&Units=SI>

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point

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<https://www.chemeo.com/cid/112-592-0/Polystyrene.pdf>

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