

Butyl Acrylate Industrial Grade

CAS NO. 141-32-2

Product Description	Key Features	Application
<ul style="list-style-type: none"> Butyl Acrylate is an acrylic monomer commonly used in adhesives, sealants, coatings, inks, and acrylic rubber. It is typically the monomer of choice to help add flexibility, tack, and durability to acrylic polymers. 	<ul style="list-style-type: none"> Acrylic rubber Caulks & Sealants Coatings Flamable liquid Latex paints Pressure sensitive adhesives Structural adhesives 	<ul style="list-style-type: none"> Adhesion agent Aqueous dispersions for non-woven fabrics, textiles paper and leather Cleaning and waxing products Emulsifier Plastics and synthetic resins Precursor in organic synthesis Resins and dispersions for paints, Varnishes and inks Glues and adhesives Synthetic rubbers and lattices

Properties	Typical Value	Unit	Test Based On
Acidity as Acrylic acid	0.01 Max	%	GB/T17530.4-1998
Assay	99.5 Min	%	GB/T17530.2-1998
Autoignition Temperature	267	°C	-
Boiling Point	145.7	°C	-
Color on despatch	10 Max	-	APHA, ASTM D 1209
Critical Pressure	4540 ± 350	kPa	-
Critical Temperature	644 ± 3	K	-
Critical Volume	0.43	m ³ /kg.mol	-
Empirical Formula	C ₇ H ₁₂ O ₂	-	-
Evaporation Rate (n-butyl acetate = 1)	0.42	-	-
Expansion Coefficient	0.00115	Per °C	-
Explosive Limits in Air			
Lower	1.5	vol%	-
Upper	7.8	vol%	-
Flash Point	37	°C	-
Freezing Point	-64	°C	-
Hansen Solubility Parameters			
Hydrogen bonding	4.9	-	-
Nonpolar	15.6	-	-
Polar	6.2	-	-
Heat of Combustion	-4046.96 ± 0.58	kJ/mol	-
Heat of Vaporization	47.30	kJ/mol	-
Liquid Heat Capacity	251	J/mol K	-
Liquid Viscosity @ 20 °C	0.92	cP (mPa.s)	-
Maximum Incremental Reactivity (MIR)	5.02	-	-
Molecular Weight	128.2	g/mol	-
Refractive Index @ 20°C	1.4185	-	-
Solubility			
In water	1.4	g/L	-
In ethanol and ether	Soluble	-	-
Specific Gravity	0.89	-	-
Surface Tension @ 20 °C	25	mN/m	-
Vapor Density (air = 1)	4.4	-	-
Vapor Pressure @ 35.5 °C	13.33	kPa	-
Wt/Vol @ 20 °C	0.89	kg/L	-

Notes

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

For additional technical, sales and order assistance please contact our sales representative

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