

## BASF Isobutyl Acrylate

Category : Fluid

### Material Notes:

Formula: C<sub>7</sub>H<sub>12</sub>O<sub>2</sub>CAS: 106-63-8Description: Acrylic ester for manufacturing polymers and for use as a feedstock for syntheses.

Applications: Isobutyl acrylate forms homopolymers and copolymers. Copolymers of isobutyl acrylate can be prepared with acrylic acid and its salts, amides and esters, and with methacrylates, acrylonitrile, maleic acid esters, vinyl acetate, vinyl chloride, vinylidene chloride, styrene, butadiene, unsaturated polyesters and drying oils, etc. Isobutyl acrylate is also a very useful feedstock for chemical syntheses, because it readily undergoes addition reactions with a wide variety of organic and inorganic compounds. Information provided by BASF

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BASF-Isobutyl-Acrylate.php](http://www.lookpolymers.com/polymer_BASF-Isobutyl-Acrylate.php)

| Physical Properties | Metric      | English                   | Comments |
|---------------------|-------------|---------------------------|----------|
| Density             | 0.890 g/cc  | 0.0322 lb/in <sup>3</sup> |          |
| Viscosity           | 0.80 cP     | 0.80 cP                   | [mPa.s]  |
| Molecular Weight    | 128.2 g/mol | 128.2 g/mol               |          |
| Vapor Pressure      | 0.00880 bar | 6.60 torr                 |          |

| Thermal Properties     | Metric      | English         | Comments       |
|------------------------|-------------|-----------------|----------------|
| Specific Heat Capacity | 1.90 J/g-°C | 0.454 BTU/lb-°F | of Liquid      |
| Melting Point          | -61.0 °C    | -77.8 °F        | Freezing Point |
| Boiling Point          | 139 °C      | 282 °F          |                |

| Optical Properties | Metric | English | Comments |
|--------------------|--------|---------|----------|
| Refractive Index   | 1.41   | 1.41    |          |

| Processing Properties | Metric    | English   | Comments  |
|-----------------------|-----------|-----------|-----------|
| Moisture Content      | <= 0.10 % | <= 0.10 % | ASTM E203 |

| Descriptive Properties                      | Value       | Comments   |
|---|-------------|------------|
| Assay                                       | >99.5%      |            |
| Color                                       | <20         | ASTM D1209 |
| Heat of Polymerization                      | 535.1 kJ/kg |            |
| Latent Heat of Evaporation at Boiling Point | 299.2 kJ/kg |            |

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