

Elvacite® 1010 Macromonomer

Macromonomers are very low molecular weight methyl methacrylate polymers which have reactive vinyl end groups. These vinyl end groups are available for further reaction with monomers, such as styrene or butyl acrylate. Macromonomers provide very low viscosities for modification of coatings inks and adhesives to improve flow, hardness and chemical resistance.

- **Outstanding resistance to ultraviolet degradation**
- **Excellent weatherability**
- **Superior abrasion resistance**
- **Excellent resistance to water, alcohol, dilute acids and alkalies, chemical fumes and corrosive and oxidizing environments**
- **High gloss and hardness**
- **Generally low pigment reactivity**
- **Water-white color and transparency**
- **Resistance to discoloration on heating**

Applications for macromonomers include adhesives, coatings and inks. The table below lists the most common Elvacite® macromonomer grades.

Typical Properties ^a: Elvacite® Macromonomer Grades

Grade	Tg (°C)	Mw ('000)	Inherent Viscosity ^b	Comments
1010	105	4-10	0.047-0.087	Lowest Viscosity Modification

a) *Typical physical properties listed are approximate values and should not be considered manufacturers release specifications. Manufacturers release specifications are subject to change without notice, please contact your Lucite International Representative for the latest product specification details.*

b) *Inherent viscosity of a solution containing 0.25 g polymer in 50 ml of methylene chloride measured at 20°C using a No. 50 Cannon-Fenske viscometer.*

For Further Information Contact:

USA

Lucite International
Lucite Center
7275 Goodlett Farms Parkway
Cordova TN 38016
TEL: 800 4-LUCITE
www.luciteinternational.com

Europe

Lucite International Speciality Polymers & Resins Ltd.
Horndale Ave - Newton Aycliffe Co.
Newton Aycliffe Co.
Durham DL5 6YE UK
TEL: +44 (0) 1325 300990
FAX: +44 (0) 1325 314925
www.luciteinternational.com

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