



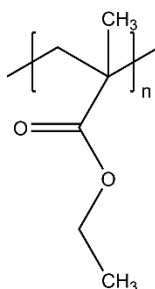
## Technical Data Sheet

<b>MATERIAL:</b>	Poly(ethyl methacrylate)
<b>CATALOG NUMBER:</b>	113
<b>CAS NUMBER:</b>	9003-42-3
<b>DESCRIPTION:</b>	Homopolymer of ethyl methacrylate
<b>FORMULA:</b>	$(C_6H_{10}O_2)_x$

**TYPICAL PROPERTIES:**

Appearance:	Powder
Approx Mw:	250,000 [GPC]
Inherent viscosity:	0.95
Density:	1.11 (25°C)
Refractive index:	$n_D^{20}$ 1.485
Solubility parameter:	8.95
Glass transition temp:	63°C
Flash point:	572°F
Solubility:	Acetone, benzene, chloroform, MEK, THF, toluene

**GENERAL INFORMATION:** Poly(ethyl methacrylate) has found application as an embedding material in textile finishing and in dental cements/resins.

**STRUCTURE:**

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