



Technical Data Sheet

MATERIAL:	Poly(ethyl methacrylate)																		
CATALOG NUMBER:	113																		
CAS NUMBER:	9003-42-3																		
DESCRIPTION:	Homopolymer of ethyl methacrylate																		
FORMULA:	$(C_6H_{10}O_2)_x$																		
TYPICAL PROPERTIES:	<table><tr><td>Appearance:</td><td>Powder</td></tr><tr><td>Approx Mw:</td><td>250,000 [GPC]</td></tr><tr><td>Inherent viscosity:</td><td>0.95</td></tr><tr><td>Density:</td><td>1.11 (25°C)</td></tr><tr><td>Refractive index:</td><td>n_D^{20} 1.485</td></tr><tr><td>Solubility parameter:</td><td>8.95</td></tr><tr><td>Glass transition temp:</td><td>63°C</td></tr><tr><td>Flash point:</td><td>572°F</td></tr><tr><td>Solubility:</td><td>Acetone, benzene, chloroform, MEK, THF, toluene</td></tr></table>	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
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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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