



Technical Data Sheet

MATERIAL:	Poly(n-butyl methacrylate)																		
CATALOG NUMBER:	111																		
CAS NUMBER:	9003-63-8																		
DESCRIPTION:	Homopolymer of n-butyl methacrylate																		
FORMULA:	$(C_8H_{14}O_2)_x$																		
TYPICAL PROPERTIES:	<table><tr><td>Appearance:</td><td>Beads</td></tr><tr><td>Approx Mw:</td><td>180,000 [GPC]</td></tr><tr><td>Inherent viscosity:</td><td>0.52</td></tr><tr><td>Density:</td><td>1.07 (25°C)</td></tr><tr><td>Refractive index:</td><td>n_D^{20} 1.483</td></tr><tr><td>Glass transition temp:</td><td>15°C</td></tr><tr><td>Flash point:</td><td>572°F</td></tr><tr><td>Solubility parameter:</td><td>8.75</td></tr><tr><td>Solubility:</td><td>Acetone, benzene, chloroform, isopropanol, MEK, THF, toluene</td></tr></table>	Appearance:	Beads	Approx Mw:	180,000 [GPC]	Inherent viscosity:	0.52	Density:	1.07 (25°C)	Refractive index:	n_D^{20} 1.483	Glass transition temp:	15°C	Flash point:	572°F	Solubility parameter:	8.75	Solubility:	Acetone, benzene, chloroform, isopropanol, MEK, THF, toluene
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GENERAL INFORMATION:	Useful in adhesives for smooth plastic films and aluminum, and in silk screen inks. Will plasticize and improve adhesion of polyisobutyl methacrylate and nitrocellulose. Improves outdoor durability of vinyl chloride resins.																		
STRUCTURE:																			

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