



## Technical Data Sheet

<b>MATERIAL:</b>	Polyethylene
<b>CATALOG NUMBER:</b>	537
<b>CAS NUMBER:</b>	9002-88-4
<b>DESCRIPTION:</b>	Low molecular weight homopolymer of ethylene
<b>FORMULA:</b>	$(C_2H_4)_x$
<b>TYPICAL PROPERTIES:</b>	
Appearance:	Pellets
Approx Mn:	6,500
Viscosity:	6,000 cp (140°C)
Density:	0.92
Refractive index:	$n_D^{20}$ 1.51
Softening point:	110°C
Flash point:	> 445°F
Solubility:	Xylene (above 80°C)

**GENERAL INFORMATION:** Made by high pressure polymerization process. Low molecular weight polyethylenes are used in paper coatings, spray coatings, emulsions, printing inks, crayons, and wax polishes. They are also used as additives to butyl rubber and various high molecular weight polyethylenes for improvement of melt flow characteristics, hardness, and abrasion and grease resistance.

### STRUCTURE:

Technical information and data regarding the composition, properties or use of the products described herein is believed reliable. However, no representation or warranty is made with respect thereto except as made by Sp<sup>2</sup> in writing at time of sale. Sp<sup>2</sup> cannot assume responsibility for any patent liability which may arise from the use of any product in a process, manner or formula not designed by Sp<sup>2</sup>.