

Technical Data Sheet

MATERIAL:	Poly(ethylene oxide)	
CATALOG NUMBER:	343	
CAS NUMBER:	25322-68-3	
DESCRIPTION:	Ethylene oxide homopolymer	
FORMULA:	(C ₂ H ₄ O) _x	
TYPICAL PROPERTIES:	Appearance: Approx Mw: Density: Glass transition temp: Refractive index: Viscosity: Melting point: Solubility:	Powder (98% thru 10 mesh) 900,000 1.21 -67°C n_D^{20} 1.4539 8,800-17,600 cp (5% solution @ 25°C) 65°C Acetonitrile, benzene, chlorinated hydrocarbons, DMF, MEK methanol, THF (hot), water
GENERAL INFORMATION:	Poly(ethylene oxides) are soluble in an unusually broad range of solvents. Films of these resins are inherently flexible, tough and resistant to most oils and greases. They find use in a broad range of applications including adhesives, lubricant formulations, paint strippers, paper coatings, flocculants, binders, thickening agents, and water-soluble	

STRUCTURE:

packaging.

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