



PHYSICAL PROPERTIES OF AQUAZOL

The data given below shows how this versatile polymer offers a unique combination of chemical and physical properties.

Typical Physical Properties

Appearance	Off-white solid
Specific Gravity	1.14
pH of Aqueous Solutions	Neutral
Solubility	Water or organic solvents
Glass Temperature, TG	70° (154°F)
Melt Viscosity at 200°C, 130 Sec ¹ shear rate	400,000 CPS (mPa.S)

Solubility of Aquazol in Various Solvents

Aquazol has unusually broad solubility in water and polar organic solvents. A few solvents and their solubility parameter [: (cal/cm³)^{1/2}] are listed below.

Solubility Parameter	Solvent	Solubility* of Aquazol
7.0	n - Pentane	P
8.9	Toluene	P
9.3	Methyl ethyl ketone	S
9.7	Methylene chloride	S
9.9	Acetone	S
12.0	Propylene glycol	S
12.7	Ethanol	S
14.5	Methanol	S
23.4	Water	S

*P < 2% by wt S > 25% by wt

