Thickeners

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POLYGON
EXCELLENCE IN APPLIED CHEMISTRY

PRODUCTNAME	APPLICATION AREA	DESCRIPTION
POLYGEL CA	Polymeric thickener based on acrylic acid (Carbomer).	High viscosity performance particularly in products with lower ionic strength. Use: ADW gels (low hypochlorite content), alcohol based formulations (fire gel, sanitizing hard surface cleaner).
POLYGEL CB		Lower viscosity performance than Polygel CA but higher resistance to salts. Use: Alcohol based formulations, scouring creams, HSC, floor cleaners, high alkaline cleaners.
POLYGEL CK		High resistance to chlorine bleach. Recommended for all applications where resistance to oxidative attack is needed. Use: ADW gels and hard surface cleaners containing hypochlorite.
POLYGEL DR	Carboxyvinyl copolymer.	Thickener with emulsifying properties for oils (silicone oils, waxes, organic solvents, distilled petroleum, mineral spirits, etc.) and stabilizer for emulsions. Due to its high yield point, the agent is ideal for suspending particles. Use: car shampoo, cleaning products for automatic floor cleaning (with wax), shoe polish.
POLYGEL K100	Cross linked cationic polymer.	For applications where high amounts of cationic surfactants or strong acids are used. Provides higher viscosity values than Polygel K200. Use: Toilet cleaners, diluted fabric softeners. For formulations pH> 1.
POLYGEL K200	Linear cationic polymer.	Provides higher performance owing to its higher resistance to electrolytes. Furthermore, Polygel K200 is recommended for higher optical clarity of the finished product. Use: toilet cleaners, diluted fabric softeners, descalers (pH<1), concentrated fabric softeners.
POLYGEL W301	Acrylate copolymer in emulsion (30% active matter).	Easy to handle / disperse. Recommended for thickening non-ionic solutions in an alkaline environment and for suspending solid particles. Use: scouring milk, dishwashing detergent, peroxide-based bleach, detergent booster, window cleaner, mild detergent (<20% active ingredients), toilet gels, soaking agent (high amount of nonionic surfactants).
POLYGEL W30	Acrylate copolymer in emulsion (30% active matter).	Easily handled/dispersed. Recommended to thicken nonionic solutions providing high viscous transparent gels in water. Use: HDL gel (> 20%active matter), gel toilet blocks.

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PRODUCTNAME	APPLICATION AREA	DESCRIPTION
POLYGEL W400	Acrylate copolymer in emulsion.	Easily handled/dispersed. Strong alkali stable thickener, resistent to electrolytes. Lower viscosity than other emulsions but suspending ability. Use: scouring creams, WUL, APC, floor cleaners.
POLYGON R-068	Nonionic thickener on basis of xanthan gum. With stabilising effect on dispersions and emulsions. Powder.	Good compatibility with anionic, nonionic, and amphoteric surfactants. Homogenous. Food quality.
POLYGON R-278	Non-ionic thickener based on hydroxyethylcellulose. With the stabilising effect of dispersions and emulsions. Powder.	Good compatibility with all kind of surfactants and other additives, also suitable for dispersions of polymers. Good solubility.
SYNTHALEN W 2000	Acrylic copolymer in emulsion.	Easy-to-use emulsion. Very good thickening ability and transparency. Also suitable for the formulation of clear gels and for the stabilization of oil-in-water emulsions. Does not leave a white haze like carbomers when rinsed off.
TENSAN N-304 NEW	Non-ionic foam booster, has a foam-stabilizing effect. Emulsifying properties. Has an antistatic and anti-corrosive effect.	Viscosity regulator, foam booster and moisturizing agent for manually applied cleaners.