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HPG / Hydroxypropyl Guar / HP Gum / Modified Guar

Grade	Industrial Grade “D-Col. HPG”	
Commodity	Guar Derivative	
Botanical Name	Cyamopsis Tetragobalobus	
Appearance (Color)	Off-White Powder	
Odor	Unobjectionable (Odorless)	
Moisture	9% (Max.)	
Ash Content	0.64%	
-OH Sub.(D.S.)	0.40 - 0.45	
Purity Gum Content (Galactomannan) Including gum by difference	82% (Min.)	
Acid Insoluble Residue (AIR)	<3%	
pH	6.0 – 7.5	
Carbohydrates (Including Gum by difference)	83-85%	
Sieve Test (Passing)	98% (Min.)	
Particle Size (Mesh)	100	
Viscosity of 1 % in 24 hours (Viscosity of 1% solution with Brookfield Viscometer Model RVT Spindle No.4 at 20 RPM at 25 °C)	2 Hrs.	3100 Cps
	24 Hrs.	3580 Cps

- **Hydroxypropyl Guar(HPG) is non-ionic derivative of Guar.**
- **Soluble in hot and cold water.**
- **Easy to cross-link with transition metal ions.**
- **Excellent Sand/Proppant carrying abilities.**
- **Good temperature tolerance.**
- **Methanol Soluble.**
- **Better Hydration than Guar.**
- **Versatile Viscosifier**