TECHNICAL DATA SHEET

Carbosperse™ K-739 Powdered Sodium Polyacrylate

Carbosperse K-739 polyacrylate is a water soluble sodium salt of a low molecular weight water soluble acrylic acid polymer (i.e., Carbosperse K-732) that is supplied as a white, free-flowing powder, containing 11% moisture.

Carbosperse K-739 polyacrylate is a high performance polyelectrolyte with multi-functional properties including sequestration, dispersion, scale inhibition, crystal growth distortion, binding, and plasticizing.

The typical properties for Carbosperse K-739 polyacrylate are as follows:

Form	Powder
Appearance	White, free-flowing
Moisture content (%)	11 (8 to 14)*
Sodium ion content (%)	18.9
Molecular weight** (GPC M_W)	6,000
pH of a 1% solution	7.5 (6.0 to 9.0)*
Apparent gravity (gm/cc)	0.55

* Specification.
** Expressed as polyacrylic acid as determined by an aqueous GPC method.

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