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Technical Data

DARVAN[®] C-N

Ammonium Polymethacrylate for Ceramic Bodies

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TECHNICAL DATA

Ceramics Department

DARVAN® C-N

Ammonium Polymethacrylate
for Ceramic Bodies

DARVAN C-N, an ammonium polymethacrylate, is used mainly in the electronic and specialty ceramics fields. It has little tendency to foam and produces slurries with unusually low viscosity.

PHYSICAL PROPERTIES

Molecular Weight:	10,000 to 16,000
Appearance:	Clear to slightly opalescent amber fluid
Density at 25°C:	$1.11 \pm 0.02 \text{ Mg/m}^3$
Weight per gallon:	9.2 to 9.2 lb
Percent solids:	$25.0 \pm 1.0\%$
Percent ash:	0.04% maximum – on wet weight
pH:	7.5 to 9.0
Viscosity at 25°C:	75 cps (maximum)
Solubility:	Completely soluble in water systems.
Stability:	Stable in the presence of alkalies over a wide pH range.
Burn out:	DARVAN C-N begins to burn out at 450°F (232°C)
Storage:	Freezes at -5°C. Protect from freezing. Partial freezing does not affect the product's dispersing properties. Keep container tightly closed to prevent evaporation.

APPLICATIONS

DARVAN C-N is recommended for use in the preparation of casting slips from high oxide electronic bodies where minimum sodium content is desired. **DARVAN C-N** is also used to make slurries of ferrites.

DARVAN is a registered trademark of R.T. Vanderbilt Company, Inc.

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