DP5040

Sodium Polycarboxylate Dispersant

English translation of the Chinese technical data sheet

Product description

DP5040 is a sodium polycarboxylate dispersant for a range of powders. It is compatible with coating systems and is used in water-based coatings, papermaking and water-based inks.

Typical properties

Appearance	Colorless to pale-yellow transparent liquid
Main component	Sodium polycarboxylate
Active content	Approximately 43%
pH	6.5-7.5
Viscosity at 25 degrees C	50-500 mPa.s; instrument, spindle and speed not stated

Features and applications

Good water solubility and compatibility with ethylene glycol and propylene glycol. The source reports good initial gloss in gloss and semi-gloss latex paints, improved tinting with highly hydrophobic pigments, reduced wetting-agent demand, lasting dispersion and viscosity stability, and low foaming during manufacture and use.

Dosage and use

The source recommends 0.1-1.0%, with the actual level determined by testing. The calculation basis is not stated: do not assume this means total formulation mass, pigment/filler mass or active content. Confirm the basis and applicable coating system before using this range.

Packaging and storage

30 kg, 50 kg, 250 kg or 1,250 kg plastic drums. Shelf life is 12 months from manufacture in the unopened original container at +5 to +40 degrees C.

Points to confirm - supplementary clarification

Confirm the dosage calculation basis and viscosity method with technical support. Evaluate the actual pigment/filler combination, dispersion quality, viscosity, gloss and storage behavior.

Document basis and safety information

Translation prepared 25 October 2026 from the Chinese TDS supplied on xyztu.com. The original has no issue or revision date; the translation date is not an original revision date. Source claims are not independent test results.

Original Chinese TDS. This is not a Safety Data Sheet. Request the current SDS and technical clarification through XYZTU technical support.