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JNP Product Introduction and Selection Guide

HPMC E50 and F50 for PVC suspension polymerization

Prepared by JNP for product comparison and preliminary selection. This guide is not a supply guarantee, an SDS or a certificate of batch testing.

Compare HPMC candidates for the suspension polymerization of PVC resin. This guide does not apply to grade selection for downstream compounding of pipes, profiles or similar products.

General parameters and specification review

Parameter	Reference information
Product category	HPMC
Application scope	HPMC E50 and F50 for PVC suspension polymerization
Viscosity and measurement method	Confirm for the specific grade and project
Gel behavior and measurement method	Confirm for the specific grade and project

Selection and next steps

Preliminary selection reference, not a supply specification: E50 58-62 °C; F50 63-68 °C. Use only for preliminary comparison when the viscosity ranges are the same and the measurement conditions are comparable. These gel-temperature ranges are not polymerization-reactor operating-temperature ranges.

First align the viscosity range and measurement conditions, then compare gel behavior and the actual reactor-temperature profile. Gel temperature is not reactor temperature. Grade names do not automatically determine dosage or operating temperature.

- Application and objectives
- Specifications and measurement conditions
- Destination market
- Quantity, packaging and lead time; unknown details may be left blank

CoAs are retained as internal quality records. A CoA is not a prerequisite for reading this guide, making an enquiry or requesting a budget quotation. Document requirements for a specific project are agreed separately.

This guide is not an SDS or an operating procedure. Review the applicable safety documentation and site requirements before purchase and use.

JNP is responsible for the compilation, translation and explanation of this guide. Specific specifications and suitability are subject to confirmed product documentation and project conditions.

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