

Milliken®

Hyperform® HPN-20E

Nucleating Agent for Polyolefins

Technical Data

Overview

Hyperform® HPN-20E is a high performance nucleating agent for polyolefins, providing a range of benefits to polypropylene and polyethylene.

Polypropylene

Hyperform HPN-20E helps achieve unique isotropic shrinkage characteristics in PP and excellent stiffness / impact balance in injection molding applications. It's low shrinkage and CLTE performance can be especially valuable in dimension-critical PP applications.

Polyethylene

Hyperform HPN-20E significantly improves cycle time and barrier in HDPE film and EBM. HPN-20E also improves optical properties in LLDPE film as well as cycle time reduction and pigment leveling in injection molding processes.

Applications

Injection Molding, Thermoforming, Extrusion Blow Molding, Rotomolding, Extrusion, Blown Film, etc.

Properties

Melting Point	Nucleating agent stable up to 400°C
Bulk Density	0.40 g/cc
Appearance	White powder
Handling/Safety	Please see MSDS
Particle Size	d95< 20 microns

Regulatory

Broad chemical registrations. See representative or website for details.

Guidelines

HPN-20E is a particulate nucleator and dispersion is essential to get optimum performance. Twin screw extrusion is recommended.

Specification

Please contact your Milliken representative. Please refer to product COA for official specifications.

PLEASE NOTE: As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at www.milliken.com/terms (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.

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