



TYRIN™ CM 3630E Chlorinated Polyethelene Resin
 For Cable and Hose Applications

Regional Product Availability

Europe

Overview

TYRIN™ CM 3630E Resin is a medium viscosity chlorinated polyethylene with low crystallinity. It is used as an elastomer in thermoset formulations for cable jackets and hoses. It is available in powder form. A benefit of the resin is the oil and heat resistance.

Typical Properties

These properties are typical but do not constitute specifications.

Physical Property	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.16 g/cm ³	1.16 g/cm ³	ISO 1183
Apparent Density	0.45 g/cm ³	0.45 g/cm ³	Dow Method
Chlorine Content	36.0 wt%	36.0	ISO 1158
Mooney Viscosity (ML 1+4, 257°F (125°C))	80 MU	80 MU	ASTM D1646
Ash Content	< 2.0%	< 2.0%	ISO 247
Average Particle Size	11 mil	280 µm	ISO 2591-1
Volatile Matter	< 0.20%	< 0.20%	ISO 248

Note: Users should confirm results by their own tests.

Handling Precautions

Before using this product, consult the Material Safety Data Sheet (MSDS)/Safety Data Sheet (SDS) for details on product hazards, recommended handling precautions and product storage.

CAUTION! Keep combustible and/or flammable products and their vapors away from heat, sparks, flames and other sources of ignition including static discharge. Processing or operating at temperatures near or above product flashpoint may pose a fire hazard. Use appropriate grounding and bonding techniques to manage static discharge hazards.

CAUTION! Failure to maintain proper volume level when using immersion heaters can expose tank and solution to excessive heat resulting in a possible combustion hazard, particularly when plastic tanks are used.

Storage

Store products in tightly closed original containers at temperatures recommended on the product label.

Medical Applications Policy

NOTICE REGARDING MEDICAL APPLICATION RESTRICTIONS: Dow will not knowingly sell or sample any product or service ("Product") into any commercial or developmental application that is intended for:

- long-term or permanent contact with internal bodily fluids or tissues. "Long-term" is contact which exceeds 72 continuous hours.
- Use in cardiac prosthetic devices regardless of the length of time involved ("cardiac prosthetic devices" include, but are not limited to, pacemaker leads and devices, artificial hearts, heart valves, intra-aortic balloons and control systems, and ventricular bypass-assisted devices);
- Use as a critical component in medical devices that support or sustain human life; or
- Use specifically by pregnant women in applications designed specifically to promote or interfere with human reproduction.

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Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Plastics Additives Technical Representative for more information.

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

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Notice: If products are described as "experimental" or "developmental": (1) product specifications may not be fully determined; (2) analysis of hazards and caution in handling and use are required; (3) there is greater potential for Dow to change specifications and/or discontinue production; and (4) although Dow may from time to time provide samples of such products, Dow is not obligated to supply or otherwise commercialize such products for any use or application whatsoever.

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