

WELLPREN™

CHLORINATED POLYETHYLENE ELASTOMER

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CM 566M

Version: 02

Revision date: 01 Jan.2017

General introduction

WELLPREN™ CM series products are chlorinated polyethylene elastomers. as a special synthetic rubber, they have superior comprehensive performance such as:

- Excellent chemical, oil, heat and ignition resistance
- Outstanding heat-aging characteristics
- Performance over a broad temperature range
- Unique crumb form, permitting easy blending ,formulating and processing
- Polymer shelf stability measured in years
- Good processability on equipment common to the rubber industry
- Attractive economics

Characteristics of CM 566M

CM 566M is a newly developed grade produced by new technology, this grade is a high electrical performance version of CM3678M.

The volume resistivity of this grade reaches $10^{14} \Omega \cdot m$,it is suitable for the application where extremely high electrical property is required, for instance, the cable insulation.

Application

Wire and cable with high electrical property

Supply specification

Property	Test method	Typical data	Specification
CM 566M			
Appearance	---	White powder	
Chlorine content, %	GB/T7139	36	35 – 37
Heat of fusion, J/g	HG/T2704-2010	1.0	≤ 1.5
Volatiles, %	GB/T2914	0.1	≤ 0.3
Impurity particles, piece/100g	HG/T2704-2010	10	≤ 20
Hardness, Shore A	GB/T531	54	52 - 56
Tensile strength, Mpa	GB528	11.5	≥ 11.0
Elongation at break,%	GB528	750	≥700
Mooney Viscosity, ML1+4 @125 °C	HG/T1232	78	74 - 82
Volume resistivity, Ω·m	GB/T1692-2008	2X10 ¹⁴	≥ 10 ¹⁴
Anti-blocking agent, %		5	5

Packing , transportation and storage

25 Kg PP woven bag or low melting EVA bag,.

This material is non- dangerous goods for land, air and marine transportation.

To avoid blocking, bags containing WELLPREN should be stacked no more than two pallets high and should be stored at temperature no more than 100° F (38° C), shelf life is theoretically unlimited when storage is under proper conditions.

Safe Handling

Please consult the MSDS before handling for additional information concerning personal protective equipment, Safety, Health and Environmental information, and always exercise the utmost care in handling.

Contact information



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