



## Experimental XUS 63012.00 Chlorinated Polyethylene Resin

**Overview** XUS 63012.00 is a high viscosity chlorinated polyethylene with low crystallinity. It has been designated to accept high loadings of fillers with comparable or better physical properties compared to standard CPE products. XUS 63012.00 has an excellent balance of heat and chemical resistance that makes it suitable for use in a wide variety of thermoset applications such as wire and cable jacketing, automotive hoses, ducts and industrial hoses. XUS 63012.00 provides performances and cost advantages over other well known elastomer systems such as polychloroprene (CR), Nitrile rubber (NBR), Nitrile rubber / Polyvinyl chloride (NBR/PVC) blends and Chlorosulfonated polyethylene (CSM).

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.15 g/cm <sup>3</sup>	1.15 g/cm <sup>3</sup>	ISO 1183
Chlorine Content	34.0 wt%	34.0 wt%	ISO 1158
Oil Type (Soya Oil)	3.0 phr	3.0 phr	Dow Method
Volatile Matter	< 0.30 %	< 0.30 %	ISO 248
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (100% Strain)	232 psi	1.60 MPa	ISO 37 <sup>1</sup>
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat of Fusion	< 2.00 J/g	< 2.00 J/g	Dow Method
Fill Analysis	Nominal Value (English)	Nominal Value (SI)	Test Method
Melt Viscosity	2900 Pa·s	2900 Pa·s	ISO 11443

**Notes**

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

<sup>1</sup> Data refers to the following formulation:

- TYRIN CPE Resin: 100 parts
- Calcium Stearate: 2 phr
- Stearic Acid: 0.5 phr
- Epoxidized Soya Oil: 3 phr

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