



TYRIN™ 7100

Chlorinated Polyethylene Resin

Overview TYRIN™ 7100 is a high viscosity chlorinated polyethylene with low crystallinity. It is used for the impact modification of rigid PVC for profiles, sheets and pipes. It is available as a free-flowable powder and can be handled in bulk.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.15 g/cm ³	1.15 g/cm ³	ISO 1183
Apparent Density	0.40 g/cm ³	0.40 g/cm ³	Dow Method
Chlorine Content	36.0 wt%	36.0 wt%	ISO 1158
Oil Type (Soya Oil)	3.0 phr	3.0 phr	Dow Method
Ash Content	< 2.0 %	< 2.0 %	ISO 247
Average Particle Size	9.8 mil	250 μm	ISO 2591-1
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 ¹
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	2400 Pa·s	2400 Pa·s	ISO 11443

Additional Information

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

Notes

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

¹ Formulated

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