



TYRIN™ 6000

Chlorinated Polyethylene Resin

Overview TYRIN™ 6000 is a high viscosity chlorinated polyethylene with low crystallinity. It is used for the impact modification of rigid PVC for profiles, sheet and pipes. It is available in powder form.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.15 g/cm ³	1.15 g/cm ³	ISO 1183
Apparent Density	0.41 g/cm ³	0.41 g/cm ³	Dow Method
Chlorine Content	35.0 wt%	35.0 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	12 mil	300 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)	145 psi	1.00 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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