

Axiall CL-6400 Rigid PVC, Molding

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf CL-6400 is a high flow clear PVC compound designed for thin wall parts and multi-cavity molds. It is ideally suited for a variety of electrical and appliance applications. Information provided by Georgia Gulf Georgia Gulf became Axiall Corporation in 2013.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Axiall-CL-6400-Rigid-PVC-Molding.php

| Physical Properties | Metric | English | Comments |
|-----------------------|-----------------------|-----------------------|------------|
| Specific Gravity | 1.40 g/cc | 1.40 g/cc | ASTM D-792 |
| Linear Mold Shrinkage | 0.0030 - 0.0040 cm/cm | 0.0030 - 0.0040 in/in | ASTM D-955 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|---|--|------------|
| Tensile Strength, Yield | 44.8 MPa | 6500 psi | ASTM D-638 |
| Tensile Modulus | 2.76 GPa | 400 ksi | ASTM D-638 |
| Flexural Strength | 75.8 MPa | 11000 psi | ASTM D-790 |
| Flexural Modulus | 2.41 GPa | 350 ksi | ASTM D-790 |
| Izod Impact, Notched | 4.27 J/cm @Thickness 3.17 mm, Temperature 23.0 °C | 8.00 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F | ASTM D-256 |

| Thermal Properties | Metric | English | Comments |
|---|-------------------------------|--------------------------------|----------------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 71.00 °C | 159.8 °F | annealed; ASTM D-648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 69.00 °C | 156.2 °F | annealed; ASTM D-648 |
| UL RTI, Electrical | 85.0 °C @Thickness 1.60 mm | 185 °F @Thickness 0.0630 in | UL-746B |
| UL RTI, Mechanical with Impact | 85.0 °C @Thickness 1.60 mm | 185 °F @Thickness 0.0630 in | UL-746B |
| UL RTI, Mechanical without Impact | 85.0 °C @Thickness 1.60 mm | 185 °F @Thickness 0.0630 in | UL-746B |
| Flammability, UL94 | V-0 | V-0 | |

| Descriptive Properties | Value | Comments |
|---|-------|-------------------|
| Flow Ratio (Distance/Wall Thickness, 390-400°F) | 230 | Georgia Gulf Test |

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