

Axiall 9153 Rigid PVC, Molding

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf 9153 is an excellent combination of chemical resistance, impact and processing for chemically active products, such as pine oil cleaners. 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-9153-Rigid-PVC-Molding.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|-----------|------------|
| Specific Gravity | 1.33 g/cc | 1.33 g/cc | ASTM D-792 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|-----------------------|----------------------------|-------------|
| Tensile Strength, Yield | 42.7 MPa | 6200 psi | ASTM D-638 |
| Tensile Modulus | 2.59 GPa | 375 ksi | ASTM D-638 |
| Flexural Strength | 76.5 MPa | 11100 psi | ASTM D-790 |
| Izod Impact, Notched | 1.60 J/cm | 3.00 ft-lb/in | ASTM D-256 |
| | @Thickness 6.35 mm | @Thickness 0.250 in | |
| Tensile Impact Strength | 5.34 J/cm | 10.0 ft-lb/in | ASTM D-256 |
| | @Thickness 3.17 mm | @Thickness 0.125 in | |
| Tensile Impact Strength | 168 kJ/m ² | 80.0 ft-lb/in ² | ASTM D-1822 |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 65.0 °C | 149 °F | ASTM D-648 |

| Optical Properties | Metric | English | Comments |
|-----------------------|--------------------|---------------------|--------------------------------|
| Haze | 6.0 % | 6.0 % | pressed plaque; ASTM D-1003-61 |
| | @Thickness 3.17 mm | @Thickness 0.125 in | |
| Transmission, Visible | 78 % | 78 % | pressed plaque; ASTM D-1003-61 |
| | @Thickness 3.17 mm | @Thickness 0.125 in | |

| Descriptive Properties | Value | Comments |
|---------------------------------|-------|---|
| Equilibrium Torque, meter-grams | 1450 | Brabender Plastograph, No. 6 Roller Head, 190°C Bath, 57-g. Charge; 60/43 rpm |
| Stability Time, minutes | 30 | |

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