

## Colorite Polymers 7577 Non-Phthalate 77 Series Vinyl Compound

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Molded

### Material Notes:

Description: The Colorite 77 series is a family of compounds designed for those medical device producers that require the use of a non-phthalate plasticizer that has superior resistance to extraction by blood lipids and high fat emulsions. This family of compounds is designed to be molded or extruded, whichever is required. Colorite 77 compounds are available in a range of hardnesses from flexible to semi-rigid. They are also available in ethylene oxide and radiation sterilizable grades. As with all Colorite non-toxic compounds, traceability and lot identification of all raw materials and finished products are maintained. Information provided by Colorite Polymers.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Colorite-Polymers-7577-Non-Phthalate-77-Series-Vinyl-Compound.php](http://www.lookpolymers.com/polymer_Colorite-Polymers-7577-Non-Phthalate-77-Series-Vinyl-Compound.php)

| Physical Properties | Metric    | English   | Comments  |
|---------------------|-----------|-----------|-----------|
| Specific Gravity    | 1.22 g/cc | 1.22 g/cc | ASTM D792 |

| Mechanical Properties      | Metric       | English   | Comments   |
|----------------------------|--------------|-----------|------------|
| Hardness, Shore A          | 75           | 75        | ASTM D2240 |
| Tensile Strength, Ultimate | 17.7 MPa     | 2570 psi  | ASTM D638  |
| Elongation at Break        | 400 %        | 400 %     | ASTM D638  |
| 100% Modulus               | 0.009480 GPa | 1.375 ksi | ASTM D638  |

| Thermal Properties      | Metric   | English  | Comments  |
|-------------------------|----------|----------|-----------|
| Brittleness Temperature | -33.0 °C | -27.4 °F | ASTM D746 |

## Contact Songhan Plastic Technology Co.,Ltd.

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