

DuPont Performance Polymers Delrin® SC699 NC010 Acetal Homopolymer (Unverified Data**)

Category : Polymer , Thermoplastic , Acetal (POM)

Material Notes:

Delrin® SC699 is a low viscosity acetal homopolymer, lubricated, developed for parts requiring high precision molding in the healthcare industry. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Delrin-SC699-NC010-Acetal-Homopolymer-nbspUnverified-Data.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|----------|
| Density | 1.40 g/cc | 0.0506 lb/in ³ | ISO 1183 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|---|--|-------------|
| Tensile Strength, Yield | 63.0 MPa @Temperature 23.0 °C | 9140 psi @Temperature 73.4 °F | ISO 527 |
| Elongation at Yield | 12 % @Temperature 23.0 °C | 12 % @Temperature 73.4 °F | ISO 527 |
| Tensile Modulus | 3.05 GPa @Temperature 23.0 °C | 442 ksi @Temperature 73.4 °F | ISO 527 |
| Charpy Impact, Notched | 0.700 J/cm ² @Temperature 23.0 °C | 3.33 ft-lb/in ² @Temperature 73.4 °F | ISO 179/1eA |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------|---------|--------------------------|
| Melting Point | 178 °C | 352 °F | 10°C/min; ISO 11357-1/-3 |

| Descriptive Properties | Value | Comments |
|------------------------|--------------------------|-----------|
| Additive | Lubricant | |
| Appearance | Natural Color | |
| Features | Wear Resistance, Good | |
| Forms | Pellets | |
| Generic | Acetal (POM) Homopolymer | |
| Material Status | Current | |
| Part Marking Code | >POM-S< | ISO 11469 |

| Descriptive Properties | Value | Comments |
|---------------------------|------------------------------|----------|
| Processing Method | Injection Molding | |
| Product Category | Healthcare Resins | |
| | Low Wear and Friction Resins | |
| | Unreinforced Resins | |
| Region Available - Global | Yes | |
| Resin Identification | POM-S | ISO 1043 |
| RoHS Compliance | Contact Manufacturer | |
| Uses | Medical Applications | |

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