



Specialty Plastics Compounder for the Medical Industry

Compounding Solutions is a leading manufacturer of specialty medical compounds, color concentrates, and additive concentrates. Each is custom formulated and manufactured to exact specifications in grades for extrusion and injection molding. What sets Compounding Solutions apart is our commitment to producing the highest quality products through technology.

Compounding Solutions' Resin Range:

- Polyolefins: LLDPE, LDPE, HDPE, PP
- Styrenics: CPS, HIPS, SBC, SAN, ABS, FR ABS, ASA
- PolyAcetals
- Polyesters: PET, PBT
- Polycarbonates
- PolyAmides: 6, 6/6, 6/10, 12, 6/12
- High Heat Resins: PEI, PSU, PES, PEEK, LCP
- PolyUrethanes
- Thermoplastic Elastomers: Hytrel, Pebax
- Fluoropolymers: PTFE, FEP



Our sophisticated on-site laboratory and development equipment enables us to offer the opportunity for our customers to team up with our product engineers and material specialists to develop and manufacturer your exact material. This "hands-on" approach allows our customers to make on-line modifications to the process and material characteristics, greatly decreasing development costs and time -to-market.

Specialty Compounds

- Radiopaque
- Reinforced / Filled
- Pre-colored
- Dissipative & Conductive
- Lubricants
- Flame Retardants

Custom Concentrates

- Color
 - FDA & USP Compliant
 - Black & White
 - Custom Color matches
 - Transparent Color
 - Special Effects
- Additive
 - Ultra-violet Stabilizers
 - Heat Stabilizers
 - Anti-oxidants
 - Anti-microbials





Technology Driven Medical Compounding Center

Compounding Solutions' modern facility in Lewiston, Maine was designed specifically to streamline compounding operations in a super – clean environment. All compounds, color concentrates, and additives are manufactured on state of the art twin screw co-rotating extruders.

R & D Capabilities

- Vacuum & Desiccant Drying
- Moisture Analysis
- Injection molding of specimens
- Color Measurement
 - Formulations
 - Light Transmission
 - Spectrophotometer
- Capillary Rheometer
- Melt Flow Index
- Impact Testing
- Mechanical Testing
- Dispersion Analysis
 - Microscopy
 - Filter Pack Pressure
- Material Identification
- Over-mold Analysis

Compounding Capabilities

- Co-rotating twin screw extruders
 - Three 27 mm
 - One 40 mm
 - Two 50 mm
- A dedicated Lab twin screw extruder
- Gravimetric Feeding Systems
- Individual Batch Blending
- Side Stuffing Delivery
- Strand & Underwater Pelletization
- Custom Process Design
- Custom Extrusion Screw Configuration
- 20,000 square foot Facility
- 30,000 square foot expansion (Dec 2010)



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