

APEX[®] Injection Molding Compounds



Features

- Non-DEHP and Non-Orthophthalate
- ETO, Gamma & E-Beam Sterilization Capable with Excellent Color Hold
- Ultra-Clear Formula Technology & Color Packages Enhance End Product Look
- Consolidate Global OEM Product Lines on a Single Teknor Apex Grade. All Grades are Available from Teknor's International Production & Sales Network in North America, Asia and Europe.
- Fast Approval Cycles: Full Array of Physical Property, Biocomp and Regulatory Test Data Available
- Expedited Samples: Support for Rapid Prototyping with Quick Sample Order Turnaround Times
- The Most Cost Effective, High Performance DOTP Solutions Available Based on Proprietary Testing
- Formulas are Color Adjustable and Frost Level Adjustable (Upon Request) to Meet Any Appearance Requirements
- Lot to Lot Consistency Delivers Consistent Extrusion Rates for Repeatable, Dependable Production Results



Worldwide Regulatory Performance Standards

- EU REACH SVHC
- EU MDR
- CA Prop 65
- EU ROHS 1, 2 & 3
- Non-DEHP, Non-Orthophthalate
- ADM Free
- BPA Free
- Latex Free
- USP Class VI & ISO 10993-5 Compliant
- FDA 21 CFR Ingredients*

*TOTM is not listed under FDA 21 CFR for food contact but has a proven history of safe use in medical device applications.



MORE INFORMATION AVAILABLE UPON REQUEST

- TDS (Technical Data Sheets)
- RDS (Regulatory Data Sheets)
- Class VI and Cytotoxicity Test Data
- Samples to support initial material evaluations through validation trials



Non-Orthophthalate Options for Next Generation Medical Devices

APEX 32033RV-NT1 SERIES

- TOTM plasticizer (trimellitate)
- Shore A 50 – 90 grades
- Best resistance to crazing PC and ABS
- Highest permanence in PVC, second only to polymeric
- Excellent toxicology

APEX 32043RV-NT1 SERIES

- TOTM/DOTP plasticizer (proprietary blending technology)
- Shore A 50 – 90 grades
- DOTP is among the most cost effective non-DEHP plasticizers on the market today
- DOTP offers superior toxicology to most other plasticizers
- DOTP maintains excellent compatibility with PC/ABS connectors
- DOTP improves processing characteristics

APEX 32022RV-NT SERIES

- ATBC plasticizer (acetyl tributyl citrate)
- Shore A 50 – 90 grades
- Good choice if PC or ABS contact is not a concern
- ATBC is derived from citric acid rather than petroleum sources
- Identical processing characteristics to DEHP (easy drop-in)
- Excellent toxicology

APEX 32042RV-NT SERIES

- ATBC/DOTP plasticizer (proprietary blending technology)
- Shore A 50 – 90 grades
- DOTP is among the most cost effective non-DEHP plasticizers on the market today
- DOTP offers superior toxicology to most other plasticizers
- DOTP offers excellent compatibility with PC/ABS connectors
- DOTP processes easily

Example Applications

- | | |
|-----------------------------|---------------------------|
| • Adaptors | • Luers |
| • Blood Pressure Bulbs | • Mouthpieces |
| • Canulae | • Oxygen Masks |
| • Caps | • Personal Safety Goggles |
| • Connectors | • Resuscitation Bags |
| • Drip/Sight Chambers | • Suction Bulbs |
| • Ear Protection | • Syringe Bulbs |
| • Endotracheal Airway Cuffs | • Valves |



*The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon conditions that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchaser assumes all risks and liability for the results of use of the products, including use in accordance with seller's recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or by others. There is no warranty of merchantability and there are no other warranties for the products described. For detailed Product Stewardship information, please contact us. Any product of Teknor Apex, including product names, shall not be used or tested in any medical or food contact application without the prior written acknowledgment of Teknor Apex as to the intended use. Please note that some products may not be available in one or more countries.



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