

Healthcare

Glucose Monitor Applicator

Healthcare materials require to provide high levels of safety, reliability and durability without compromising productivity or precision in high-precision parts, such as components of insulin delivery pens, insulin pumps, auto-injectors and continuous glucose monitors. They must comply with FDA and EU guidelines for medical-grade plastics and international biocompatibility standards.

NexPoint offers a broad portfolio of engineering thermoplastics — including LEXAN™ HP (PC), CYCOLOY™ HC (ABS/PC), and VALOX™ HX (PBT) resins — to support customers in developing healthcare applications. Our offering is backed by pre-assessment for biocompatibility (ISO 10993, USP Class VI, European Pharmacopoeia), food contact compliance, formulation lock, and a stringent change management process.

HOUSING AND END CAPS

CYCOLAC™ (ABS) and CYCOLOY™ (PC/ABS) resins offer:

- Specific medical use material grade
- Better modulus and impact balance
- Very good processibility
- Good chemical resistance
- Aesthetics and in-mold decoration options

SUPPORT BRACKETS AND NEEDLE CARRIAGE

VALOX™ (PBT) Resin

- Medical semi-crystalline grade
- Gamma, E-beam, EtO sterilizable
- High dimensional stability with low warpage
- High surface finish and gloss
- High chemical resistance

LEXAN™ (PC) Resin

- Medical amorphous grade
- Gamma, E-beam, EtO sterilizable
- Transparent and custom colorable
- High-flow grades
- Low mold shrinkage
- High strength impact resistance



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