



RÖHM

Lipid-resistant, BPA-free, and highly transparent: CYROLITE® acrylics are the reliable invisible helpers in hospitals and labs.

CYROLITE®
ADVANCED MEDICAL ACRYLICS

CYROLITE®

ADVANCED MEDICAL ACRYLICS

Medical Applications

INFUSION THERAPY & CATHETERS
ACCESSORIES

BLOOD HANDLING & PROCESSING
COMPONENTS

BLOOD FILTER HOUSINGS

RESPIRATORY DEVICE
ACCESSORIES



CYROLITE® FOR MEDICAL APPLICATIONS

Overview Product portfolio

	Tensile Modulus (ISO 527)	Tensile Strength (ISO 527)	Elongation @yield (ISO 527)	Flexural Modulus (ASTM D790)	Melt Volume Rate (ISO 1133)	Light Transmittance (ISO 13486)	Density (ISO 1183)
CYROLITE® G-20 The original CYROLITE®	2400 MPa	51 MPa	3.4%	340 kpsi	1.9 cm ³ /10 min	85%	1.11 g/cm ³
CYROLITE® G-20 HIFLO The high flow solution for medical applications	2300 MPa	51 MPa	3.4%	310 kpsi	6.2 cm ³ /10 min	86%	1.11 g/cm ³
CYROLITE® GS-90 Easy flow and excellent γ -stability	2300 MPa	56 MPa	3%	330 kpsi	3 cm ³ /10 min	89%	1.11 g/cm ³
CYROLITE® CG-97 Excellent γ -stability and chemical resistance	1700 MPa	35 MPa	3.9%	270 kpsi	0.54 cm ³ /10 min	89%	1.09 g/cm ³
CYROLITE® Med 2 Excellent chemical resistance	1600 MPa	36.7 MPa	3.6%	240 kpsi	0.6 cm ³ /10 min	86%	1.1 g/cm ³



CYROLITE® Acrylic Copolymer

Regulatory Compliance

CYROLITE® products comply with:

- **FDA food contacts regulations**
- **USP Class VI**
- **ISO 10993 (Tripartite)**
(only "clear" products tested)



The products also comply with **RoHS** and **REACH** requirements; are free of heavy metals, plasticizers, natural latex, REACH SVHC substances; and are **BPA free**.

CYROLITE® compounds have passed requirements of the **USP 26, National Formulary 21, 2003 <661>** “Physiochemical Tests – Plastics.”

Compatibility was tested for human insulin solution, Taxol, Heparin, protein solution and common drug treatment carrier solutions.

Regulatory Requirements	Food Contact ⁽¹⁾	USP Class VI ⁽²⁾	ISO 10993-1 ^(3,4)
CYROLITE® G-20	✓	✓	✓
CYROLITE® G-20 HIFLO	✓	✓	✓
CYROLITE® GS-90	✓	✓	✓
CYROLITE® CG-97	✓	✓	✓
CYROLITE® Med 2	✓	✓	✓

Notes:

(1) Products meet FDA food contact requirements of 21 CFR 177.1010 (CYROLITE®) under Condition C (no Alcohol) and Condition D @ 8% alcohol.

(2) Class VI United States Pharmacopoeia tests for determining the suitability of a plastic material intended for use in fabricating containers or accessories thereto, for parenteral preparations.

(3) Indicated products have been found to be non-hemolytic, non-cytotoxic, non-pyrogenic, non-sensitizing, and non-mutagenic when tested following the Tripartite and ISO 10993-1 protocols.

(4) In clear and 000, 001, 301 and 3128 tints only. Other colors not tested.

