



Medical Applications

Sustainable High-Performance
Healthcare Solutions



Advancing the Commitment to a Higher Standard of Patient Care

We understand that medical formulators are relentlessly committed to high standards of patient care, resulting in very high standards in terms of consistent quality and reliable performance. At Kraton, Quality is the key priority in every aspect of our work. For more than three decades the medical community has entrusted and relied on Kraton to deliver the highest level of quality, and we are committed to meeting those expectations.

Kraton maintains a robust quality system with harmonized processes and procedures. The Kraton Quality Management System (KQMS) is in place to ensure we meet or exceed external authority regulatory requirements and other standards to provide the highest quality in Kraton processes, products, and services.

Medical Regulatory Certifications:

- » Pharmacopeia compliance
- » Certified testing per FDA, USP & ISO10993
- » Extractable profiles and toxicology
- » DMF listing

Kraton is committed to giving back more to society than we take by embracing the highest standards of quality and integrity in our work. These standards allow our medical customers the ability to provide superior health care products.



Commitment to the Healthcare Industry:

- » Continuity of supply
- » Product quality consistency
- » Strict ingredient selection and control
- » Change management procedure
- » Up to 5 years of polymer shelf life



**Sustainable Solutions.
Endless Innovation.™**



Medical PPE: Facemasks

- » Enhanced user comfort and secure fit via higher material elasticity and softness
- » Increased manufacturing throughput via high processing speed
- » Improved sustainability impact with recyclable design and reduced manufacturing energy consumption



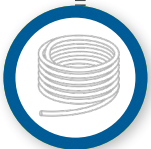
Medical Bags: IV, Blood & Ostomy

- » Increased patient safety via plasticizer free formulations
- » Recyclable design
- » Increased durability confirmed through drop test performance



Medical Containers: IV-Bottles

- » Increased patient safety via plasticizer free formulations
- » Easy empty IV solutions delivery via increased bottle collapsibility
- » Increased durability confirmed through drop test performance
- » See-through design via glass-like optics



Medical Tubing

- » Increased patient safety via plasticizer free formulations
- » Increased patient safety via versatile tubing sterilization
- » Secure fluid delivery via improved kink resistance
- » Effective IV system connectivity via solvent bonding techniques



Medical Stoppers: IV, Vial, Needle Shields

- » Increased patient safety via better toxicology profile
- » Enhanced design flexibility
- » Reduced system cost via manufacturing process optimization

Features:

- » Phthalate* and plasticizer free formulation design
- » Excellent mechanical properties, even post-sterilization
- » Improved transmittance and lower haze
- » Recyclable

Key Benefits:

- » Enhanced patient safety
- » Superior end product performance
- » Proven compliance with stringent sterilization requirements
- » Enhanced aesthetics with glass-like optics
- » Improved end of life recyclability

*While Kraton does not routinely analyze for phthalates, they are not intentionally added to our products.

About Kraton Corporation

Kraton Corporation is a leading global producer of styrenic block copolymers, specialty polymers and high-value performance products derived from pine wood pulping co-products. Kraton's polymers are used in a wide range of applications, including adhesives, coatings, consumer and personal care products, sealants and lubricants, and medical, packaging, automotive, paving, roofing and footwear products. As the largest global provider in the pine chemicals industry, the company's pine-based specialty products are sold into adhesive, road and construction and tire markets, and it produces and sells a broad range of performance chemicals into markets that include fuel additives, oil field chemicals, coatings, metal working fluids and lubricants, inks, flavors and fragrances and mining. Kraton offers its products to a diverse customer base in over 70 countries worldwide.

KRATON™

**SUSTAINABLE SOLUTIONS.
ENDLESS INNOVATION.™**

KRATON CORPORATION

For more information, visit our website at www.kraton.com or email info@kraton.com.

U.S.A. Headquarters

Houston, Texas

Asia Pacific

Shanghai, China

Europe, Middle East, Africa

Almere, The Netherlands

India/South East Asia

Mumbai, India



DISCLAIMER

The information herein is for general information purposes only. While it is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its completeness, accuracy, reliability, or suitability for applications or the results to be obtained therefrom. Kraton disclaims any and all liability for damages or injuries arising from the use of this information. Nothing contained herein is to be considered permission, recommendation, or an inducement to use any Kraton product in any specific application or in conflict with any existing intellectual property rights.

*Kraton and the Kraton logo are trademarks of Kraton Corporation or its affiliates.

©2023 Kraton Corporation