

› PRODUCT BULLETIN

GlideTech™ Formulations

Non-PFAS Lubricious Catheter Solutions

Achieving precision and consistency in manufacturing intricate, thin-walled catheter designs is incredibly difficult. Adding to that complexity is the heightened focus on replacing per- and polyfluoroalkyl substances (PFAS) in medical devices to meet evolving regulatory guidelines.

In response to these challenges, our GlideTech™ Formulations were developed to provide a non-PFAS*, highly lubricious material for catheters to replace traditional options such as polytetrafluoroethylene (PTFE) and eliminate the need for secondary coating processes.

These single-pellet polymer compounds streamline manufacturing, helping to lower overall costs, while delivering excellent coefficient of friction (CoF) performance without the use of traditional coatings or additional additives. This innovative material technology is available in various base resins and can be tailored to meet specific application demands and support regulatory compliance.

KEY CHARACTERISTICS

- Excellent coefficient of friction (CoF) performance
- Enhanced processability on conventional equipment
- ISO 10993-5 & USP <87> compliant
- Off-the-shelf & custom formulations available
- Suitable for thin-walled designs
- Compatible with standard sterilization methods

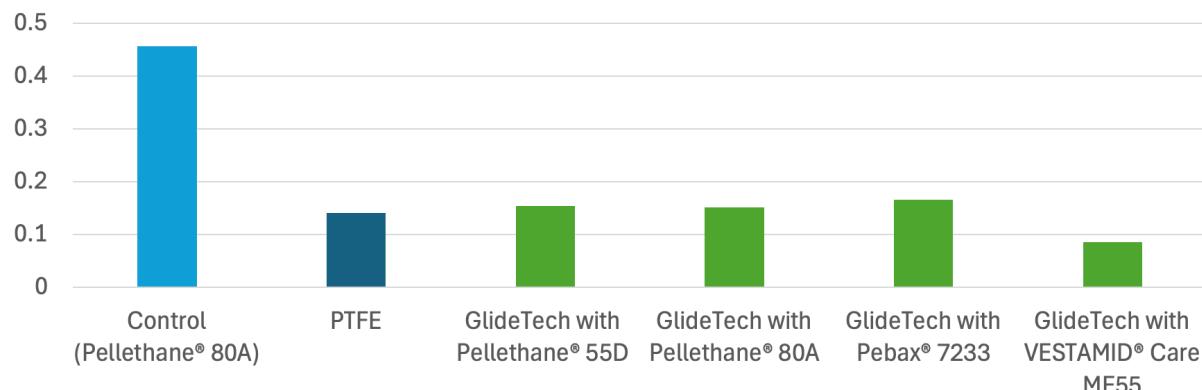
MARKETS & APPLICATIONS

GlideTech Formulations offer catheter manufacturers medical-grade materials in multiple standard base resins. Their low CoF performance and options for customization, such as with colors or radiopaque fillers, make them a high-quality option for catheters, particularly those used in neurological and vascular applications.

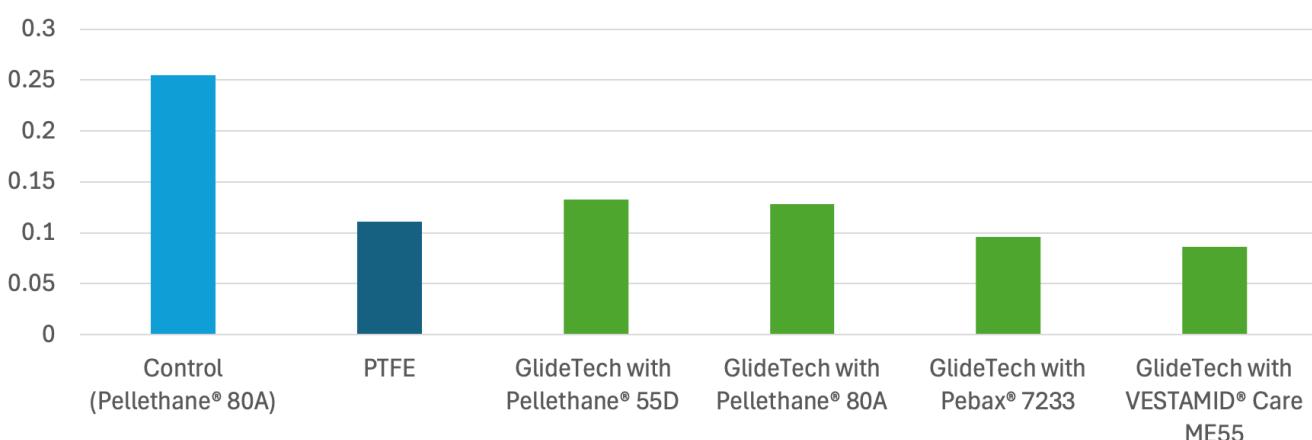
* formulated without intentionally added PFAS

CoF PERFORMANCE OF CATHETER MATERIALS

Dry CoF Performance



Hydrated CoF Performance



TECHNICAL PROPERTIES

	ASTM Standard	Units	GlideTech with Pellethane® 55D	GlideTech with Pellethane® 80A	GlideTech with Pebax® 7233	GlideTech with VESTAMID® Care ME55
MFI (210 C, 1.2 kg)	D1238	g/10 min	15.1	37.8	5.7	4.9
Specific Gravity	D792	g/cm³	1.16	1.12	1.03	1.03
Hardness	D2240	Shore A	95.7	85.7	92.3	95.8

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