



HIGH PERFORMANCE PEEK™ POLYMERS

PRODUCT SUMMARY

VICTREX® PEEK™ POLYMERS

Unfilled Grades

VICTREX® PEEK™ 90G	Easy flow grade for injection moulding of thin sections and complex parts
VICTREX® PEEK™ 150G	Easy flow grade for injection moulding of thin sections and complex parts
VICTREX® PEEK™ 450G	Standard flow general purpose
VICTREX® PEEK™ 450G903 Blk	Standard flow general purpose — black colour

Depth-Filtered Grades

VICTREX® PEEK™ 151G	Easy flow for multi and monofilament extrusion
VICTREX® PEEK™ 381G	Standard flow for wire coating, capillary tubing, film and monofilament extrusion

Glass-Filled Grades

VICTREX® PEEK™ 90GL30	Very easy flow, 30% glass fibre reinforced
VICTREX® PEEK™ 90GL60	Standard flow, 60% glass fibre reinforced
VICTREX® PEEK™ 150GL15	Very easy flow, 15% glass fibre reinforced
VICTREX® PEEK™ 150GL30	Easy flow, 30% glass fibre reinforced
VICTREX® PEEK™ 150GL30 Blk	Easy flow, 30% glass fibre reinforced — black colour
VICTREX® PEEK™ 450GL15	Standard flow, 15% glass fibre reinforced
VICTREX® PEEK™ 450GL30	Standard flow, 30% glass fibre reinforced
VICTREX® PEEK™ 450GL30 Blk	Standard flow, 30% glass fibre reinforced — black colour

Carbon Fibre Reinforced Grades

VICTREX® PEEK™ 90CA30	Very easy flow, 30% carbon fibre reinforced
VICTREX® PEEK™ 150CA30	Easy flow, 30% carbon fibre reinforced
VICTREX® PEEK™ 450CA20	Standard flow, 20% carbon fibre reinforced
VICTREX® PEEK™ 450CA30	Standard flow, 30% carbon fibre reinforced
VICTREX® PEEK™ 450CA40	Standard flow, 40% carbon fibre reinforced
VICTREX® PEEK™ 90HMF20	Very easy flow, superior mechanical performance, 20% carbon fibre reinforced
VICTREX® PEEK™ 90HMF40	Easy flow, superior mechanical performance, 40% carbon fibre reinforced

Ultra-High Purity Grade

VICTREX® PEEK™ 450U002	Reduced extractable ionics for use in fluid streams, vacuums or high heat environments
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Friction and Wear Grades

VICTREX® PEEK™ 150FC30	Easy flow, filled with 30% carbon fibre, PTFE and graphite
VICTREX® PEEK™ 150FW30	Easy flow, filled with 30% carbon fibre and PTFE
VICTREX® PEEK™ 450FC30	Standard flow, filled with 30% carbon fibre, PTFE and graphite
VICTREX® PEEK™ 450FE20	Standard flow, filled with 20% PTFE

VICTREX® PEEK-HT™ Grades

VICTREX® PEEK-HT™ G22	Higher temperature performance unfilled resin
VICTREX® PEEK-HT™ 22CA30	30% carbon fibre reinforced PEEK-HT resin, for improved strength and stiffness at elevated temperatures
VICTREX® PEEK-HT™ 22GL30	30% glass fibre reinforced PEEK-HT resin, for improved strength and stiffness at elevated temperatures

VICTREX® T-Series™ Grades

VICTREX® T-Series™ TU-60	Unreinforced blend of PEEK and Celazole* PBI, for higher strength and stiffness at elevated temperatures, improved wear
VICTREX® T-Series™ TF-60V	Glass fibre reinforced blend of PEEK and Celazole* PBI, for higher strength and stiffness at elevated temperatures, improved wear
VICTREX® T-Series™ TL-60	Self lubricating blend of PEEK and Celazole* PBI, for tribological applications at elevated temperatures, speeds and pressures.
VICTREX® T-Series™ TF-60C	Carbon fibre reinforced blend of PEEK and Celazole* PBI, for higher strength and stiffness at elevated temperatures, improved wear

VICTREX® ST™ Grades

VICTREX® ST™ STG45	Higher temperature performance than PEEK-HT, improved mechanical performance at elevated temperatures
VICTREX® ST™ ST45GL30	30% glass fibre reinforced ST resin, for improved strength and stiffness at elevated temperatures

*Celazole is a registered trademark of PBI Performance Products

APTIV® FILMS

1000 Series	Unfilled semi-crystalline films available in thicknesses from 8µ up to 750µ (1300 – black color from 50µ to 100µ)
2000 Series	Unfilled amorphous films available in thicknesses from 6µ up to 300µ
1100 Series	Mineral filled semi-crystalline films available in thicknesses from 12µ upwards
2100 Series	Mineral filled amorphous films available in thicknesses of 100µ and 125µ

VICOTE® COATINGS

VICOTE® 700 Series Powder Grades

701	Used electrostatically where heavy coating thickness are desired and where machining to tolerance may be required
702	Used electrostatically where increased flow and thinner coatings are desired. First choice for thin electrostatic coatings with good melt flow
703	Can be used electrostatically and/or in formulation of liquid dispersions
704	Used in formulation of liquid dispersions
705	Used electrostatically where higher flow is required. First choice for thinnest electrostatic coatings with highest melt flow
705 Blk	A black pigmented high flow electrostatic powder coating
705 Blue	A blue pigmented high flow grade with adhesion additives
706	Can be used electrostatically where higher flow and thinnest coatings are required
707	Used where the high flow is required in formulation of liquid dispersions
708	Used where higher temperature performance is required in formulation of liquid dispersions
709	Used electrostatically with higher temperature performance requirements

VICOTE® 800 Series Aqueous Dispersion Grades

804, F804, 804 Blk*, F804 Blk*	A range of pure VICTREX PEEK dispersions with excellent wear and chemical resistance and high continuous use temperature of 260°C (500°F)
805, F805, 806, F806, 807 Blk*, F807 Blk*	Tough resilient, high wear resistant coating with varying levels of lubricants to give good release properties
808, F808, 809, F809 810 Blk*, F810 Blk* F810 Grey*	Specially formulated grades to provide a resilient coating with varying levels of lubrication
811	Tough resilient coating with dry lubrication properties
812*	Specifically formulated to provide a tough coating with good wear and abrasion resistance
F813 Blk	Formulated with VICTREX PEEK-HT and a lubricant to provide an even higher temperature tough, resilient, high wear resistant coating with good release properties
F814	A pure VICTREX PEEK-HT dispersion with high continuous use temperature, excellent wear, abrasion, chemical and radiation resistance
F815, F816 Blk	Specifically formulated to provide a resilient coating with high wear and abrasion resistance combined with very good release properties
F817	Enhanced adhesion grade for use on metal substrates where limited surface roughening is desired

* Electrostatic dissipative (ESD) grades. All other grades are insulative coatings.

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