COMPOSITIONS & FILL

ENFLO

ENFLON CODE NUMBER	CONSISTS OF	DEFINITION OF FILL
101 102 103 104 105 106	5% Glass Fiber 10% Glass Fiber 15% Glass Fiber 20% Glass Fiber 25% Glass Fiber 30% Glass Fiber	Milled glass fibers have the least effect on chemical and electrical properties and add greatly to the mechanical properties of unfilled PTFE. Addition of glass improves compressive properties by as much as 40% and improves wear resistance greatly. These compounds resist acids and oxidation but can be attacked by alkali.
110 111 112 113 114	5% Graphite 10% Graphite 15% Graphite 20% Graphite 25% Graphite	Graphite has good chemical resistance to corrosive environments and exhibits good initial wear and rubbing/sliding characteristics in dry and water applications. Commonly blended with carbon and PTFE.
115 116 118	25% Bronze 40% Bronze 60% Bronze	This filler has better wear, creep resistance, and higher thermal conductivity than glass fiber with PTFE. The compound is easily machined, but has poor chemical resistance in the presence of acids and alkali. Useful in applications which undergo high mechanical loads or high-speed rubbing contacts where the bronze filler supplies the strength and conductivity to carry away excess, unwanted heat.
127	5% Molybdunum Disulfide	This filler is used frequently in combination with others to increase surface hardness, stiffness, and to reduce the starting coefficient of friction and steady-state wear. Its effect on electrical and chemical properties is negligible.
130 131 132 133 134	5% Carbon 10% Carbon 15% Carbon 20% Carbon 25% Carbon	Carbon has good chemical resistance to corrosive environments. It exhibits good initial wear and rubbing or sliding contact characteristics, both dry and water applications. It is frequently used in piston rings to reduce cylinder wall wear by entrapping abrasive foreign particles in their relatively soft surfaces.
136 137 138	10% Carbon-Graphite 20% Carbon-Graphite 25% Carbon-Graphite	
151 152 153 155	15% Glass Fiber, 5%Moly 20% Glass Fiber, 5% Moly, 5% Carbon-Graphite 23% Glass Fiber, 2% Moly 25% Glass Fiber, 5% Moly	
157 158 159	10% Glass Fiber, 10% Graphite 5% Glass Fiber, 5% Graphite 20% Glass Fiber, 5% Graphite	
161 162	10% Glass Fiber, 5% Carbon 5% Glass Fiber, 10% Carbon	
170 171 172 173	40% Bronze, 5% Moly 40% Bronze, 10% Moly 55% Bronze, 5% Moly 65% Bronze, 5% Moly	

Consult Sales Office For Additional Information.

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ISO 9001:2015 Certified QMS

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COMPOSITIONS & FILL

ENFLO

ENFLON CODE NUMBER	CONSISTS OF	DEFINITION OF FILL
140 141 142 143	5% Calcium Flouride 10% Calcium Flouride 15% Calcium Flouride 20% Calcium Flouride	ALTERNATIVE TO GLASS FILL.
305	15% Carbon Fiber	Carbon Fiber lowers creep and increases flex and compressive modulus. It raises hardness properties and exhibits wear characteristics in water applications. It is often the best choice in automotive applications such as shock absorbers and water pumps. It is an excellent material for use in piston rings, bearings and thrust washers. A 15% fill is typically called out in certain AMS specifications, however customer specific fill percentages are available upon request.
166	Maroon in color, this material provides high wear resistance and low friction in a continuous, non-lubricated service. Good dielectric and insulation properties. Excellent choice for bearings, gaskets and high pressure applications requiring robust components. Alternative to Rulon® LR.	
168	Gold in color, this material is used for low abrasion and used against soft surfaces. Low coefficient of friction and designed to run dry without lubrication. Alternative to Rulon® J.	
169	Maroon in color, this material has high wear and chemical resistance properties. Designed to run dry without lubrication. Used in seal, piston cup, and bearing applications. Alternative to Rulon® AR.	
175	White in color, this material o ffers excellent load and wear resistance, good chemical resistance. FDA compliant. Designed to run dry without lubrication. Alternative to Rulon® 641.	
179	50% Stainless Steel, available blended with standard virgin PTFE and Modified virgin PTFE. This blend has very good chemical resistance. It also exhibits good thermal conductivity and a significant reduction of cold flow. It performs well at high temperatures, so it is a good option in steam and hot liquid applications. It is extremely hard wearing. Due to its high fill content, abrasiveness has been observed.	
185	Mineral-fill	
190	Enflo's alternative to FLUOROGOLD® is made from a special blend of PTFE that contains a glass fiber aggregate. This material which is yellow in color, has significant compressive strength without cold flow, and retains the low friction and chemically inert characteristics of unfilled PTFE. Not affected by sunlight or ozone. Typical applications include cryogenics and situations where spontaneous ignition is possible.	
310	Enflon® 310 is used in applications with strong acids and solvents. Creep and cold flow can be are reduced with this blend. Enflon® 310 is typically used in gasket applications where a tight seal and improved performance over unfilled PTFE is required. Alternative to Gylon® 3500.	
311	Enflon® 311 is designed for use in aggressive chemical applications including nitric acid, caustics and hydrogen peroxide. This blend is excellent for use as a gasket material especially in the pulp and paper industry and in railroad tankcar applications. Alternative to Durlon® 9200W.	
312	Enflon® 312 is a blend combined with inorganic fillers. It provides a dimensionally stable product under compressive load and improves cold flow problems associated with Virgin PTFE. This fill is used in the chemical, pulp and paper, food and beverage and railwood tankcar industries. It is recommended for severe chemical applications. Additionally, it has a higher bolt torque retention compared to other filled PTFEs. Alternative to Durlon® 9000.	
550	Bronze/green fill	

Enflon® Filled PTFE products are not affiliated with Rulon®, FLUOROGOLD®, Gylon® or Durlon® in any way.

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