



**inhance**<sup>®</sup>

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## FACT SHEET

# INHANCE<sup>®</sup> PEF

**Product Description:** INHANCE PEF fiber is a high density fibrillated (highly branched) polyethylene fiber that has been surface activated by a proprietary reactive gas process. Surface activation makes the fibers easy to disperse, and creates superior adhesion between the fiber and the surrounding polymer.

### Product Code

- INHANCE PEF

**Applications:** Add INHANCE PEF fibers to coatings, adhesives and sealants. INHANCE<sup>™</sup> PEF fibers added to urethanes, epoxies, polyesters (BMC, SMC) and other polymers creates unique reinforced composites.

**Physical Characteristics:** INHANCE PEF is a white fiber. This fiber is surface treated by a unique reactive gas technology, which prepares the surface for superior performance. INHANCE PEF fiber has the following general properties:

Surface Energy:	55+ dynes/cm
Specific Gravity:	0.915-0.965
Bulk Density:	4 lb/ ft <sup>3</sup> (varies with degree of compaction)
Fiber Characteristics:	20 micron diameter
Fiber Length (avg.):	1.8 - 2.3 mm
Surface area:	8 m <sup>2</sup> /g

For optimal performance, fibers must be opened. This can be accomplished by using adequate shear in mixing of compounds, or pre-opening in dry form by mixing with high-speed chopper blades or with fan blades.

### **Standard Packaging:**

- 10 lb. cardboard box with polybag insert
- Call Sales for other sizes