

Product Data Sheet



GENERAL DESCRIPTION

Finite Fiber's Pellefiber product line is the pelletized form of the Varamix product line, a blend of aramid fibers combined with partitioning/anti-static agents to form a functional filler in rubber and other polymers. Uniquely versatile, the amount and type of aramid can be adjusted to customize the blend to deliver the end product properties desired. The high-temperature and high-strength inherent in aramids makes Pellefiber both practical and desirable in extreme environment applications. Customized Pellefiber aramid pulp masterbatches are available with a bonding aid, thermoplastic resin, or carrier of your choice for improved dispersion, bonding, and fiber/matrix compatibility.

CHARACTERISTICS AND PROCESSES

Aramid fiber is characterized by its outstanding weight to strength ratios, high cut and abrasion resistance, low elongation at break, high modulus, fracture toughness and modulus of elasticity. Aramid fibers also possess low flammability and no melt point. Both Pellefiber and Varamix are easier to disperse than standard aramid fibers and it can be mixed in their dry form. Pellefiber provides the advantages of Varamix at a greater bulk density with improved flowability.

Physical Properties

Form	Pellet
Composition	Para-aramid
Standard nominal length proportions in Varamix blends	
100 micron aramid	0 - 95%
200 micron aramid	0 - 95%
1 mm low fibrillated aramid	0 - 95%
1 mm medium fibrillated aramid	0 - 95%
1 mm high fibrillated aramid	0 - 95%
Partitioning/anti-static agents	0.5 - 5.0%
Carrier	5 - 25%
Specific Gravity	1.45
Ash Weight	<2%
Melting Point	N/A
Water Absorption	<6%
Color	Yellow/Green