PACKAGING AND AVAILABILITY

	High-Purity and T-135 PELLETS	High-Purity and T-135 OPEN FIBER
Single Package — Weight (3-ply paper bag)	50 lb	50 lb
Single Pallet — Weight Dimensions	2,000 lb. approx. 48 in. x 48 in. x 48 in. high	1,000 lb. approx. 48 in. x 48 in. x 60 in. high
Full Carload (available from King City plant)	60 pallets 120,000 lb.	52 pallets 83,200 lb.
Full 40-ft. Truckload (available from several locations nationwide)	20 pallets 40,000 lb.	17 pallets 27,200 lb.

EASIER HANDLING AND STORAGE — "Calidria" asbestos pellets are over twice as dense as the open fibers. One ton of pellets occupies only 46 cu. ft. of space compared to over 100 cu. ft. for one ton of typical open fiber products. By using pellets, rubber manufacturers can speed handling and cut storage space in half.

LOWER FREIGHT COSTS TOO — A box car can be loaded to its full 120,000 lb. capacity when pellets are specified. In comparison, only 83,200 lb. of open fiber can be loaded in the same car. Thus, pellets can save up to 20% on rail shipping costs by permitting use of lower tariffs. The high density of "Calidria" asbestos pellets also offers savings in truck freight costs in many parts of the country, while substantial savings in ocean shipping costs can be made by shipping pellets overseas.

FEED AUTOMATICALLY—"Calidria" asbestos pellets are ideally suited for operations using automatic feed equipment. They flow quickly and smoothly through the equipment, with a minimum of dust to clog the system. Producers using Banbury mixers will find the high bulk density of the pellets permits optimum loadings.

Why is "Calidria" asbestos different?

"Calidria" asbestos is a high-purity, short-fiber chrysotile asbestos obtained from a unique deposit about 160 miles south of San Francisco, California. Unlike conventional deposits that extend through the host rock, this deposit is essentially free of hard, consolidated rock masses. Further, the ore assays up to 60% asbestos fiber compared to other deposits which contain from 6 to 10% asbestos.

Special hydraulic beneficiation techniques developed by Union Carbide efficiently break down the fiber bundles and remove the rock and impurities from the asbestos fiber. As a result, "Calidria" products are over 95% pure asbestos whose fibers have been over 98% liberated from fiber bundles. These high-purity fibers are then sold as open fibers or are pelletized for convenient, dust-free handling and storage.

"Calidria" asbestos T-135 is a high-purity asbestos fiber to which are bonded uniformly dispersed particles of TiO_2. The strong attraction between the positively charged asbestos and the negatively charged TiO_2 prevents agglomeration of the TiO_2, aiding dispersion in rubber systems.

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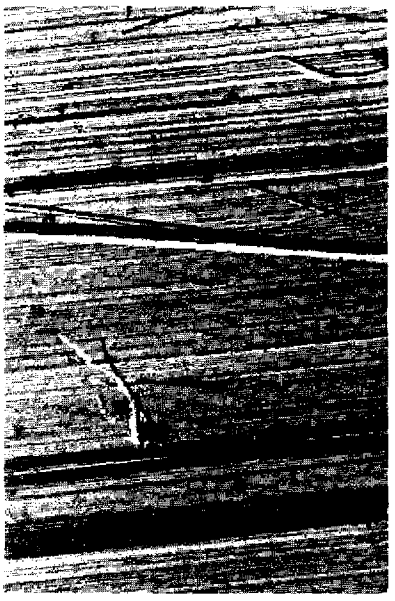
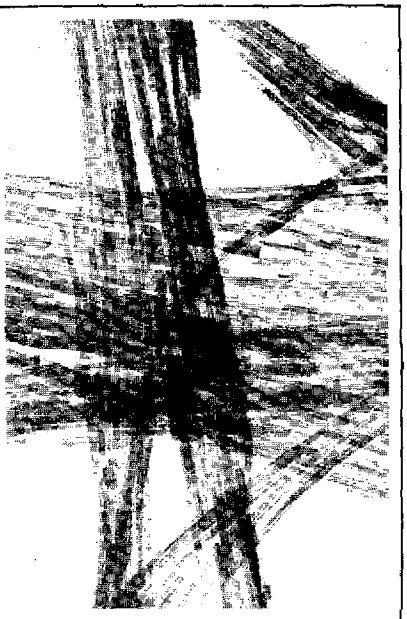


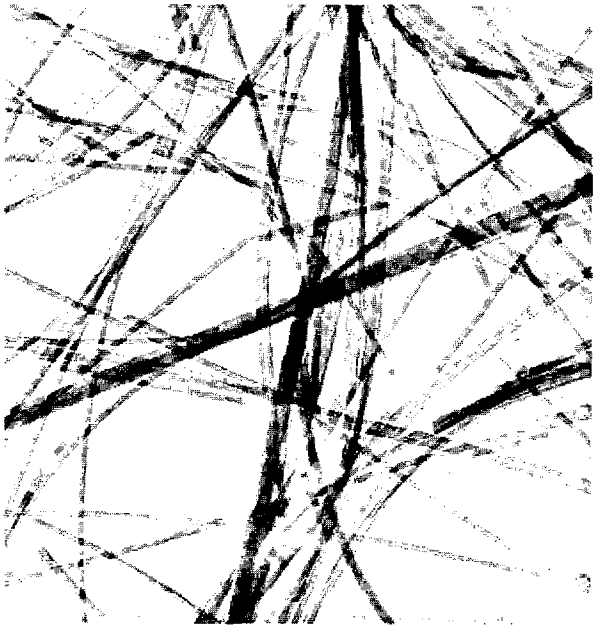
1. CANADIAN ASBESTOS AS-MINED
These fiber bundles are straight and tightly bonded, surrounded by masses of rock. In this form, the fibers defy separation from each other and from the host rock.



2. "CALIDRIA" ASBESTOS AS-MINED
Here the fibers are randomly oriented and essentially free of hard rock masses. Further, the ore assays up to 60% asbestos, considerably more than the Canadian ore.



3. "CALIDRIA" ASBESTOS IF DRY-PROCESSED
The most exacting dry processes do not completely break down the *fiber bundles into individual fibers.* Union Carbide developed a special wet process to do this.



4. WET-PROCESSED "CALIDRIA" ASBESTOS
Union Carbide's process separates 98% of the fibers from the fiber bundles. These fibers can be bought open or in convenient, dust-free pellets whose fibers disperse quickly when added to rubber.



5. T-135 WITH UNIFORMLY DISPERSED TiO_2
The TiO_2 particles are kept dispersed by a strong attraction between the positively charged asbestos and the *negatively charged TiO_2. This gives good dispersion* of the TiO_2 in rubber.