PLAINTIFF'S EXHIBIT

UC-5105

Two Grades of **Calidria** Asbestos for Rubber

HIGH-PURITY ASBESTOS
— an exceptionally pure, light-colored, non-abrasive asbestos fiber for all rubber systems.

T-135
— a high-purity asbestos uniquely bonded with titania for use in white or light-colored systems.

Property Benefits:

LOW-COST FILLER AND REINFORCER — "Calidria" asbestos is unique among low-cost rubber fillers. It is a reinforcing filler, providing dimensional stability and improved strength with minimum effect on other physical properties. It does this by optimizing the polymer/filler interaction through its small particle size, high length/diameter ratio, and relatively large surface area. This high-purity fiber is also low in magnetite and other contaminants that adversely affect physical properties. Rubber manufacturers can add high loadings of "Calidria" asbestos to both natural and synthetic rubber to take advantage of these property benefits.

GOOD ABRASION RESISTANCE — "Calidria" asbestos markedly improves the abrasion resistance of rubber. In tests on the DeMattia abrasion tester, this high-purity fiber gives equal or better abrasion resistance than other asbestos products.

TYPICAL PHYSICAL PROPERTIES

	High-Purity	T-135	
Specific Gravity	2.45	2.60	
Moisture Content	2.0-3.0	2.0-3.0	% by weight
Nature of Surface Charge	Cationic	Cationic	
Magnetite Content	0%	0%	% by weight
Oil (DOP) Absorption	120	100	cc per 100 g
Surface Area	60	60	m^2 per g
Length/Diameter (Aspect Ratio)	200:1	200:1	
Brightness (G.E. Photovoltmeter)	72	80+	%
pH in Water (2% slurry)	9.2	9.2	

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Union Carbide trial exhibit UC-5105: Two Grades of Calidria Asbestos for Rubber: High-Purity and T-135 Product Br… Published by AsbestosClaims.Law
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cessing Benefits:

PERSION, MINIMUM RUGOSITY — The orm fibers of "Calidria" asbestos dis- ily in rubber compounds with conven- ing equipment. They also permit smooth g and extrusions with a minimum of gosity.

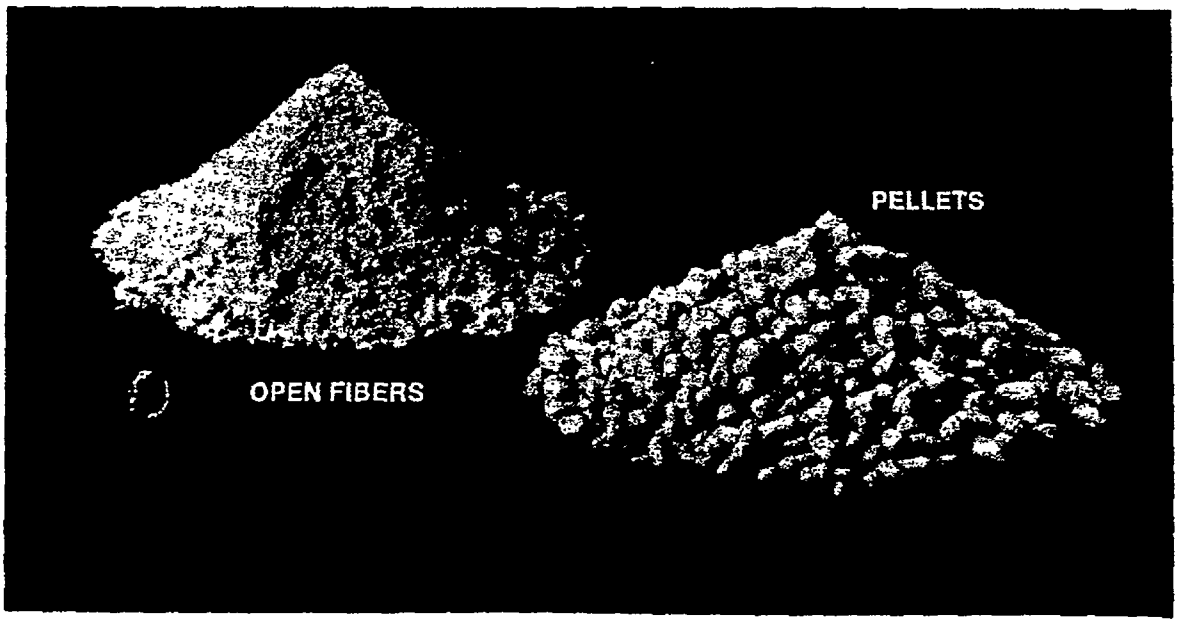
D DIE LIFE—Because of its high purity, "Calidria" asbestos has a minimum of magnetite and rock particles that can wear dies. Thus, nylon dies can be used to extrude rubber compounds containing "Calidria" asbestos with minimum wear.

CONTROLLABLE CURES—The low magnetite and uniform pH of 9 in "Calidria" asbestos gives more controllable cure rates in rubber compounds containing this unusual fiber.

SEPARATE TiO_2 ADDITIONS ELIMINATED—Rubber manufacturers adding TiO_2 as a pigment for non-black systems can save an additional step by using "Calidria" asbestos T-135. This titanated asbestos product provides sufficient TiO_2 for pigmentation at the same time it provides high-purity asbestos as a reinforcing filler. The TiO_2 is uniformly distributed on the asbestos fibers, aiding dispersion when added to the rubber system.

Handling Benefits:

PELLETS REDUCE DUST—"Calidria" asbestos is available as either dust free pellets or open fibers, packed in bags. The pellets are so rugged that they can be handled in bulk with minimum dust. This popular feature, available exclusively with "Calidria" asbestos, allows cleaner operations during materials handling and addition to rubber. It also allows easier handling and storage, lower freight costs, and better automatic feed, as described on the next page.



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