

acryterna





# Acryterna AT200 Series Homopolymer Fiber

Our extremely durable Acryterna AT200 homopolymer acrylic fiber was developed for complex technical applications involving hot gas filtration in power generation, cement and limestone industries. As a result of its unique chemical composition, it has superior, long-lasting mechanical and chemical resistance even even at the high temperatures.

Acryterna AT203 homopolymer acrylic fiber is a high-strength fiber with a trilobal cross-section. The fiber's innovative cross-section results in a greater surface area, ultimately increasing performance and providing better filtration.

## Why Acryterna AT200 Series Homopolymer Fiber?

The Acryterna AT200 series homopolymer fiber is uniquely designed for high-tenacity yarns, filtration felts and other advanced technical applications.



**Exceptional  
Strength**



**No Residual  
Shrinkage**



**Superior Chemical  
Resistance**



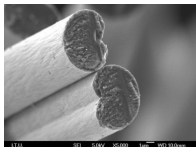
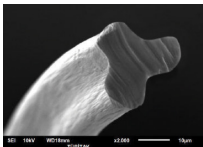
**Remarkable  
Thermal Resistance**



**Excellent Hydrolysis  
Resistance**



**High Modulus**

Fiber Properties	AT200				AT203
Cross section					
Dtex count	0,9	1,7	2,2	8,2	1,7
Staple fiber length, mm	40	50	60	80	50
Fiber tenacity, cN/text	55-65	50-60	50-60	35-45	45-55

# 140°C

**Peak Temperature**

**125° C** Continuous  
Operating Temperature

# Acryterna AT300 Series Flock Tow

Acryterna AT300 flock tow, in a wide range of counts, is available for use in multiple industrial applications. The properties of acrylic copolymer render it appropriate for targeted end uses such as filler for battery separator blades or as a concrete, mortar, paint and resin additive. Acrylic flock fibers offer numerous advantages including acid and alkali-resistance and outstanding durability.

## Applications



Filler material for vehicle batteries, owing to its high resistance to acid and alkali.



A green, sustainable alternative to asbestos in the manufacture of brake pads and clutch plates.



Fast-drying acrylic floor paint production for crack bridging when resurfacing floors.



Multiple concrete and insulation applications primarily to reduce shrinkage when drying as well as to improve strength and permeability.



Paper production, upholstery fabrics, and ornamental applications such as glass cases and souvenir boxes.

## Properties

- Prevents crack formation
- Improves stability
- Increases uniformity
- Durable and resistant
- Resistant to fatigue
- Increases overall strength

Product	Dtex	Moisture (%)	Tenacity (CN/tex)
AT300	2.1	max.2	min. 35
AT300	60	max.2	min. 15
AT310	2.5	4-6	min. 35
AT320	6.7	3 - 5	min. 35
AT320	17	3 - 5	min. 30
AT350	2.1	17 - 21	min. 35
AT360	2.1	18 - 22	min. 35





**Aksa Akrilik Kimya Sanayii A.Ş.**  
Merkez Mahallesi Ali Raif Dinçk k Caddesi No: 2 77602 Tařk pr   iftlikk y – Yalova/T rkiye  
T: +90(226) 353 25 45 F: +90(226) 353 33 07  
[www.aksa.com](http://www.aksa.com)