ATEVA® 1221

ATEVA®

This resin is commonly used for coextrusion and blending applications where superior strength, good heat seal, and hot tack characteristics are required.
This product is not intended for use in medical or dental implants.

Product information

Resin Identification	(EVAC)		ISO 1043
Part Marking Code	>(EVAC)<		ISO 11469
Vinyl acetate content	12	%	

Rheological properties

Melt Flow Index	0.8	g/10min	ASTM D 1238
Temperature	374	°F	
Load	4.76	lb	

Typical mechanical properties

Shore A hardness	95		ASTM D 2240
Shore D hardness	43		ASTM D 2240
Tensile Strength	2900	psi	ASTM D 638
Tensile elongation at break	715	%	ASTM D 638
Flexural modulus	12200	psi	ASTM D 790
Brittleness Temperature	<-85	°F	ASTM D 746

Thermal properties

Melting temperature	207	°F	ASTM D 3418
Vicat softening temperature	172	°F	ASTM D 1525

Physical/Other properties

Density	932	kg/m^3	

Film properties

Stress at yield, machine direction, 500 mm/min	1020	psi	ASTM D 882
Stress at yield, transverse, 500 mm/min	870	psi	ASTM D 882
Maximum stress, machine direction, 500 mm/min	3920	psi	ASTM D 882
Maximum stress, transverse, 500 mm/min	4060	psi	ASTM D 882
Maximum strain, machine direction, 500 mm/min	400	%	ASTM D 882
Maximum strain, transverse, 500 mm/min	510	%	ASTM D 882
Gloss, 45°	38		ASTM D 2457
Haze	13		ASTM D 1003

Revised: 2026-05-22 Source: Celanese Materials Database

NOTICE TO USERS: Values shown are based on testing of laboratory test specimens and represent data that fall within the standard range of properties for natural material. These values alone do not represent a sufficient basis for any part design and are not intended for use in establishing maximum, minimum, or ranges of values for specification purposes. Colorants or other additives may cause significant variations in data values. Properties of molded parts can be influenced by a wide variety of factors including, but not limited to, material selection, additives, part design, processing conditions and environmental exposure. Other than those products expressly identified as medical grade (including by MT® product designation or otherwise), Celanese's products are not intended for use in medical or dental implants. Regardless of any such product designation, any determination of the suitability of a particular material and part design for any use contemplated by the users and the manner of such use is the sole responsibility of the users, who must assure themselves that the material as subsequently processed meets the needs of their particular product or use. To the best of our knowledge, the information contained in this publication is accurate; however, we do not assume any liability whatsoever for the accuracy and completeness of such information. The information contained in this publication should not be construed as a promise or guarantee of specific properties of our products. It is the sole responsibility of the users to investigate whether any existing patents are infringed by the use of the materials mentioned in this publication. Moreover, there is a need to reduce human exposure to many materials to the lowest practical limits in view of possible adverse effects. To the extent that any hazards may have been mentioned in this publication, we neither suggest nor guarantee that such hazards are the only ones that exist. We recommend that persons intending to rely on any recommendation or to use any equipment, processing technique or material mentioned in this publication should satisfy themselves that they can meet all applicable safety and health standards. We strongly recommend that users seek and adhere to the manufacturer's current instructions for handling each material they use, and entrust the handling of such material to adequately trained personnel only. Please call the telephone numbers listed for additional technical information. Call Customer Services for the appropriate Materials Safety Data Sheets (MSDS) before attempting to process our products.
Copyright © 2026 Celanese or its affiliates. All rights reserved.
Celanese®, registered C-ball design and all other trademarks identified herein with ®, TM, SM, unless otherwise noted, are trademarks of Celanese or its affiliates.