ATEVA® 1821AX

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Product information

Resin Identification	(EVAC)		ISO 1043
Part Marking Code	>(EVAC)<		ISO 11469
Vinyl acetate content	18	%	

Rheological properties

Melt Flow Index	3	g/10min	ASTM D 1238
Temperature	374	°F	
Load	4.76	lb	

Typical mechanical properties

Shore A hardness	92		ASTM D 2240
Shore D hardness	36		ASTM D 2240
Tensile Strength	2200	psi	ASTM D 638
Tensile elongation at break	685	%	ASTM D 638
Flexural modulus	6530	psi	ASTM D 790
Brittleness Temperature	<-85	°F	ASTM D 746

Thermal properties

Melting temperature	189	°F	ASTM D 3418
Vicat softening temperature	138	°F	ASTM D 1525

Physical/Other properties

Density	938	kg/m^3	

Film properties

Stress at yield, machine direction, 500 mm/min	580	psi	ASTM D 882
Stress at yield, transverse, 500 mm/min	1020	psi	ASTM D 882
Maximum stress, machine direction, 500 mm/min	3340	psi	ASTM D 882
Maximum stress, transverse, 500 mm/min	3920	psi	ASTM D 882
Maximum strain, machine direction, 500 mm/min	460	%	ASTM D 882
Maximum strain, transverse, 500 mm/min	620	%	ASTM D 882
Gloss, 45°	51		ASTM D 2457
Haze	9		ASTM D 1003

Characteristics

Additives	Antioxidant

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Revised: 2025-07-14 Source: Celanese Materials Database

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