ATEVA® 1081

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This resin is commonly used for film extrusions requiring superior sealability and strength.
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	9	%	

Rheological properties

Melt Flow Index	1.1	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	2500	psi	ASTM D 638
Tensile elongation at break	700	%	ASTM D 638
Flexural modulus	17800	psi	ASTM D 790
Brittleness Temperature	<-85	°F	ASTM D 746

Thermal properties

Melting temperature	216	°F	ASTM D 3418
Vicat softening temperature	180	°F	ASTM D 1525

Physical/Other properties

Density	933	kg/m^3	

Film properties

Stress at yield, machine direction, 500 mm/min	1160	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	3480	psi	ASTM D 882
Maximum strain, machine direction, 500 mm/min	380	%	ASTM D 882
Maximum strain, transverse, 500 mm/min	550	%	ASTM D 882
Gloss, 45°	34		ASTM D 2457
Haze	20		ASTM D 1003

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