ATEVA® 1231

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This resin is commonly used for high quality microcellular crosslinked foam applications.
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	3	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	42		ASTM D 2240
Tensile Strength	2300	psi	ASTM D 638
Tensile elongation at break	730	%	ASTM D 638
Flexural modulus	11900	psi	ASTM D 790
Brittleness Temperature	<-85	°F	ASTM D 746

Thermal properties

Melting temperature	207	°F	ASTM D 3418
Vicat softening temperature	167	°F	ASTM D 1525

Physical/Other properties

Density	934	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	3050	psi	ASTM D 882
Maximum stress, transverse, 500 mm/min	2900	psi	ASTM D 882
Maximum strain, machine direction, 500 mm/min	460	%	ASTM D 882
Maximum strain, transverse, 500 mm/min	560	%	ASTM D 882
Gloss, 45°	38		ASTM D 2457
Haze	13		ASTM D 1003

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