

ATEVA® 1081 - EVA

Description

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.

Physical properties	Value	Unit	Test Standard
Density	933	kg/m ³	Internal
Melt flow index, MFI	1.1	g/10min	ASTM D1238
Temperature	190	°C	ASTM D1238
Load	2.16	kg	ASTM D1238
Vinyl Acetate	9	%	Internal
Gloss, 45°	34	-	ASTM D2457
Haze	20	%	ASTM D1003

Mechanical properties	Value	Unit	Test Standard
Flexural modulus, 23°C	123	MPa	ASTM D790
Tensile stress at yield MD, 500 mm/min	8	MPa	ASTM D882
Tensile stress at yield TD, 500 mm/min	7	MPa	ASTM D882
Tensile stress at break MD, 500 mm/min	23	MPa	ASTM D882
Tensile stress at break TD, 500 mm/min	24	MPa	ASTM D882
Tensile strain at break MD, 500 mm/min	380	%	ASTM D882
Tensile strain at break TD, 500 mm/min	550	%	ASTM D882
Tensile stress at break, 50 mm/min	17	MPa	ASTM D638
Tensile strain at break, 50 mm/min	700	%	ASTM D638
Shore A hardness	95	-	ASTM D2240
Shore D hardness	43	-	ASTM D2240

Thermal properties	Value	Unit	Test Standard
Melting point	102	°C	ASTM D3418
Brittleness temperature	<-85	°C	ASTM D746
Vicat softening temperature	82	°C	ASTM D1525

