

ATEVA® 1030 - EVA

Description

This resin is commonly used for film extrusion applications.
 This product is not intended for use in medical or dental implants.

Physical properties	Value	Unit	Test Standard
Density	930	kg/m ³	Internal
Melt flow index, MFI	1.5	g/10min	ASTM D1238
Temperature	190	°C	ASTM D1238
Load	2.16	kg	ASTM D1238
Vinyl Acetate	7	%	Internal
Gloss, 45°	34	-	ASTM D2457
Haze	11	%	ASTM D1003
Mechanical properties	Value	Unit	Test Standard
Flexural modulus, 23°C	136	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	22	MPa	ASTM D882
Tensile stress at break TD, 500 mm/min	21	MPa	ASTM D882
Tensile strain at break MD, 500 mm/min	370	%	ASTM D882
Tensile strain at break TD, 500 mm/min	510	%	ASTM D882
Tensile stress at break, 50 mm/min	16	MPa	ASTM D638
Tensile strain at break, 50 mm/min	700	%	ASTM D638
Shore A hardness	96	-	ASTM D2240
Shore D hardness	47	-	ASTM D2240
Thermal properties	Value	Unit	Test Standard
Melting point	103	°C	ASTM D3418
Brittleness temperature	-85	°C	ASTM D746
Vicat softening temperature	86	°C	ASTM D1525

