

ATEVA® 1807A - EVA

Description

This resin is commonly used for film extrusion and coextrusion with other polymers where superior strength and good heat seal characteristics are required.

This product is not intended for use in medical or dental implants.

Physical properties	Value	Unit	Test Standard
Density	940	kg/m ³	Internal
Melt flow index, MFI	0.7	g/10min	ASTM D1238
Temperature	190	°C	ASTM D1238
Load	2.16	kg	ASTM D1238
Vinyl Acetate	18	%	Internal
Gloss, 45°	50	-	ASTM D2457
Haze	11	%	ASTM D1003

Mechanical properties	Value	Unit	Test Standard
Tensile stress at yield MD, 500 mm/min	4	MPa	ASTM D882
Tensile stress at yield TD, 500 mm/min	4	MPa	ASTM D882
Tensile stress at break MD, 500 mm/min	27	MPa	ASTM D882
Tensile stress at break TD, 500 mm/min	27	MPa	ASTM D882
Tensile strain at break MD, 500 mm/min	420	%	ASTM D882
Tensile strain at break TD, 500 mm/min	500	%	ASTM D882

Thermal properties	Value	Unit	Test Standard
Melting point	85	°C	ASTM D3418
Vicat softening temperature	61	°C	ASTM D1525

