

ATEVA® 1070 - EVA

Description

This is a multi-purpose resin commonly used for flexible packaging coextrusion to provide superior sealability, opticals, and strength, high quality microcellular crosslinked foam, extrusion, injection molding, and tubing applications.

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

Physical properties	Value	Unit	Test Standard
Density	931	kg/m ³	Internal
Melt flow index, MFI	2.8	g/10min	ASTM D1238
Temperature	190	°C	ASTM D1238
Load	2.16	kg	ASTM D1238
Vinyl Acetate	9	%	Internal
Gloss, 45°	45	-	ASTM D2457
Haze	10	%	ASTM D1003

Mechanical properties	Value	Unit	Test Standard
Flexural modulus, 23°C	101	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	17	MPa	ASTM D882
Tensile stress at break TD, 500 mm/min	18	MPa	ASTM D882
Tensile strain at break MD, 500 mm/min	400	%	ASTM D882
Tensile strain at break TD, 500 mm/min	600	%	ASTM D882
Tensile stress at break, 50 mm/min	14	MPa	ASTM D638
Tensile strain at break, 50 mm/min	685	%	ASTM D638
Shore A hardness	96	-	ASTM D2240
Shore D hardness	43	-	ASTM D2240

Thermal properties	Value	Unit	Test Standard
Melting point	101	°C	ASTM D3418
Brittleness temperature	-85	°C	ASTM D746
Vicat softening temperature	81	°C	ASTM D1525

