ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm³	ASTM D1505
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	25	µm	
Elastic Modulus - MD (25 µm)	3310	MPa	ASTM D882
Elastic Modulus - TD (25 µm)	3860	MPa	ASTM D882
Tensile Strength - MD (Yield, 25 µm)	110	MPa	ASTM D882
Tensile Strength - TD (Yield, 25 µm)	145	MPa	ASTM D882
Tensile Elongation - MD (Break, 25 µm)	160	%	ASTM D882
Tensile Elongation - TD (Break, 25 µm)	100	%	ASTM D882
Elmendorf Tear Strength - MD (25 µm)	15	g	ASTM D1922
Elmendorf Tear Strength - TD (25 µm)	13	g	ASTM D1922
Oxygen Permeability (25 µm)	17	cm³·mm/m²/atm/24 hr	ASTM D1434
Carbon Dioxide Permeability (25.4 µm)	72	cm³·mm/m²/atm/24 hr	ASTM D1434
Spencer Impact (25.4 µm)	2.50	J	
Water Vapor Permeability	380	g-mil/m²/24 hr	ASTM F1249
Thermal	**Nominal Value**	**Unit**	**Test Method**
Peak Melting Temperature	145 to 160	°C	ASTM D3418