

## Westlake Mxsite LC78104 Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE)

### Material Notes:

Mxsite LC78104 polyethylene is recommended for the skin layers of cast stretch film. It will provide a very aggressive cling force in both a stretched and unstretched condition. The excellent cling force is achieved without any substantial increase in film unwind force. It is designed for machine wrap and hand wrap applications where good processability, low gel content and substantial cling are needed. It can be used as cling layer in many "one-sided cling" films because it clings very well to many non-cling resins. Application/UsesCast filmFilmsStretch filmFDA: This material complies with FDA regulations in 21 CFR, section 177.1520.All information provided by Westlake Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Westlake-Mxsite-LC78104-Polyethylene.php](http://www.lookpolymers.com/polymer_Westlake-Mxsite-LC78104-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.916 g/cc	0.0331 lb/in <sup>3</sup>	ASTM D1505
Thickness	20.3 microns	0.800 mil	
Melt Flow	4.2 g/10 min	4.2 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	8.62 MPa	1250 psi	ASTM D882
Film Tensile Strength at Yield, TD	6.89 MPa	1000 psi	ASTM D882
Film Elongation at Break, MD	570 %	570 %	ASTM D882
Film Elongation at Break, TD	840 %	840 %	ASTM D882
Elmendorf Tear Strength MD	550 g	550 g	ASTM D1922
Elmendorf Tear Strength TD	630 g	630 g	ASTM D1922
Dart Drop	6.89 g/micron	175 g/mil	ASTM D1709A
Film Tensile Strength at Break, MD	29.6 MPa	4300 psi	ASTM D882
Film Tensile Strength at Break, TD	20.0 MPa	2900 psi	ASTM D882
1% Secant Modulus, MD	152 MPa	22000 psi	ASTM D882
1% Secant Modulus, TD	159 MPa	23000 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	1.4 %	1.4 %	ASTM D1003

Gloss Optical Properties	95 % Metric	95 % English	at 45°- ASTM D2457 Comments
Descriptive Properties			
Peel Cling, Aged 2 Weeks (g)		220	200%; ASTM D5458
		320	0%; ASTM D5458
Process		Film	

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