

## Petroquimica Triunfo Trilene® TS 8058 LLDPE-C6 and LDPE Blend

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , LLDPE

### Material Notes:

The Trilene® TS 8058 product is a blend with a high ratio of linear low-density polyethylene - hexene comonomer (LLDPE-C6) with low-density polyethylene (LDPE) excellent mechanical resistance, along with good optical properties and weldability. This product presents good processability with design extruders or adapted for the processing of LLDPE, allowing for the production of films with uniform thickness and good visual appearance. The additive package gives it thermal stability, low blocking and adequate slip performance, which are indispensable to allow high productivity on the extrusion, printing, and finishing lines. The components that form the product Trilene® TS 8058 complies with the requirements of Brazilian and corresponding legislation of Mercosul and it is in conformity with FDA Regulations 21 CFR 177.1520 (c) 2.1, to contact with foodstuff. Applications: Technical laminated films designed for packaging of various products such as coffee, crackers, etc. Technical films for automatic or semi-automatic packaging of solid products (grains, powdered, etc.), liquids (milk, yogurt, etc.), and frozen foods (poultry, beef cuts, seafood, ice, etc.). Resin Properties: Compressed molded plate. Method ASTM D-1928, procedure C. Film obtained on a 50mm blow film line with barrier screw, 25:1 L/D, 1.0mm die gap, 50µm gauge, 2.3:1 BUR. Information provided by Dax Resinas

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Petroquimica-Triunfo-Trilene-TS-8058-LLDPE-C6-and-LDPE-Blend.php](http://www.lookpolymers.com/polymer_Petroquimica-Triunfo-Trilene-TS-8058-LLDPE-C6-and-LDPE-Blend.php)

Physical Properties	Metric	English	Comments
Density	0.919 g/cc	0.0332 lb/in <sup>3</sup>	ASTM D1505
Thickness	50.0 microns	1.97 mil	
Melt Index of Compound	1.0 g/10 min @Load 2.16 kg, Temperature 190 °C	1.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	830 %	830 %	ASTM D882
Film Elongation at Break, TD	950 %	950 %	ASTM D882
Secant Modulus, MD	0.105 GPa	15.2 ksi	5%; ASTM D882
Secant Modulus, TD	0.112 GPa	16.2 ksi	5%; ASTM D882
Coefficient of Friction, Dynamic	0.10	0.10	ASTM D1894
Elmendorf Tear Strength, MD	7.30 g/micron	185 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	22.0 g/micron	559 g/mil	ASTM D1922
Dart Drop Test	195 g	0.430 lb	(method A); ASTM D1709
Film Tensile Strength at Break, MD	32.0 MPa	4640 psi	ASTM D882

Mechanical Properties	Metric	English	Comments
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Optical Properties	Metric	English	Comments
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Haze	11 %	11 %	ASTM D1003
Gloss	107 %	107 %	@ 60° Gardner; ASTM D2457

Processing Properties	Metric	English	Comments
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Processing Temperature	180 - 190 °C	356 - 374 °F	Plasticizing Zone
	190 - 200 °C	374 - 392 °F	Mixture Zone
Feed Temperature	170 - 180 °C	338 - 356 °F	
Adapter Temperature	180 - 200 °C	356 - 392 °F	
Die Cooling Temperature	200 - 220 °C	392 - 428 °F	
Die Opening	0.180 - 0.250 cm	0.0709 - 0.0984 in	
Blow-up Ratio (BUR)	3.0	3.0	Recommended

Descriptive Properties	Value	Comments
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Proportion LLDPE %	75	
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## Contact Songhan Plastic Technology Co.,Ltd.

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