

## FILLER MASTERBATCH: MN-FL-1014T50

### PHYSICAL PROPERTIES

Property	Method	Typical Values
Melt Index (190° C, 2.16 g)	ASTM D1238	8 g/10min
Moisture	ASTM D7191-10	<1000 ppm
Bulk Density	ASTM D1895B	0.78 g/cm <sup>3</sup>
Density	ASTM D792	1.2 g/cm <sup>3</sup>
Talc	ASTM D5630	47.5 %
Mean Particle Size (D50)	Supplier	3.3
Top Cut (D98)	Supplier	12

This product is an economical Masterbatch based on Talc with LLDPE carrier which contributes to extrusion process stability and improved output.

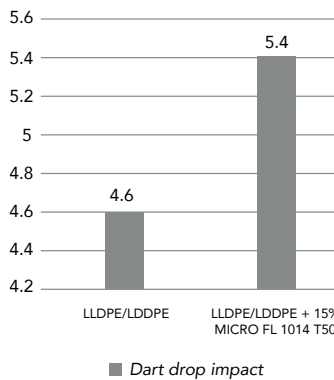
It improves MD Tear Resistance and Dart Impact properties, retains Light Transmission levels and improves MD/TD Shrinkage values.

### APPLICATIONS

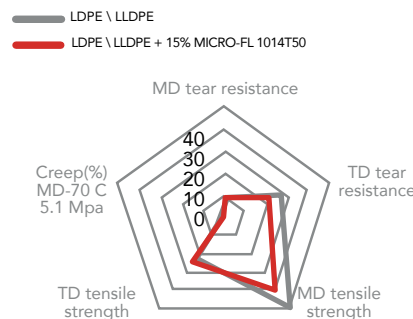
- Unlimited Sulfur Clear Film
- Injection molding
- Electrical domestic appliances
- Electrical installation
- Automotive Industry
- Garden Furniture
- Television and computer, etc. products

### FEATURES

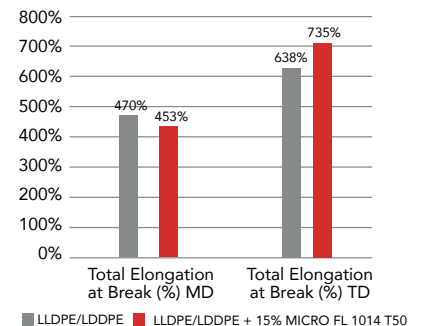
Dart Drop Impact Strength of Shrink Film blends containing different TALC Masterbatches at 15% loading.



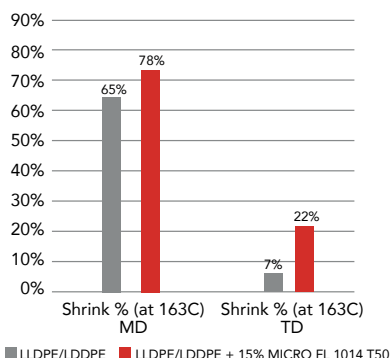
Tensile and Tear Resistance properties of Shrink Film blends containing different TALC Masterbatches at 15% loading.



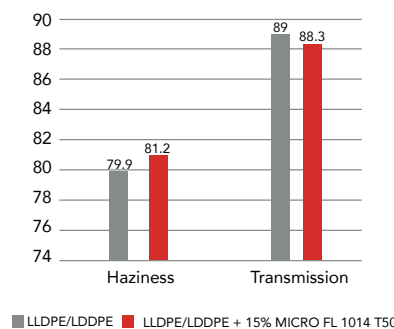
% MD/TD Elongations at Break of Shrink Film blends containing different TALC Masterbatches at 15% loading.



% MD/TD Shrinkage of Shrink Film blends containing TALC Masterbatches at 15% loading.

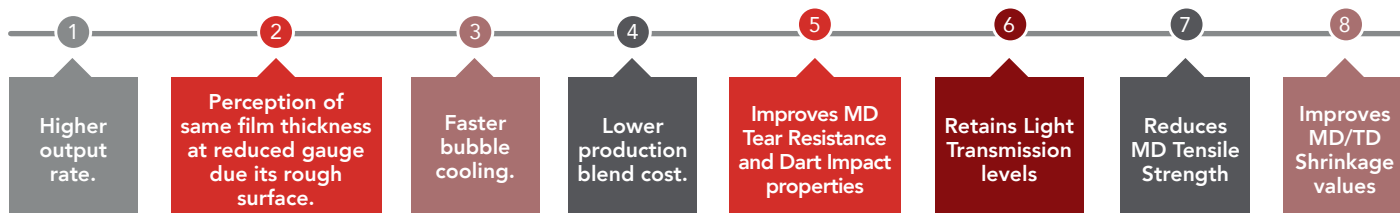


Haisness and transmission of Shrink Film blends containing different TALC Masterbatches at 15% loading.



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### BENEFITS



### OTHER GRADE UNDER THE SAME FAMILY

Property	Method	MICRO FL 1014 THP 60	MICRO FL 1014 THP 50	MICRO FL 1014 THD60	MICRO FL 1014 T70	MICRO FL 1014 T60	MICRO FL 1014 30TLD
Carrier	TDS	Homopolymer PP	Homopolymer PP	HDPE	LLDPE	LLDPE	LDPE
Melt Index	ASTM D1238	1.6 g/10min	9.5 g/10min	1 g/10min	0.1 g/10min	2.4 g/10min	12 g/10min
BULK DENSITY	ASTM D1895B	0.88 g/cm <sup>3</sup>	0.75 g/cm <sup>3</sup>	0.9 g/cm <sup>3</sup>	1 g/cm <sup>3</sup>	0.9 g/cm <sup>3</sup>	0.57 g/cm <sup>3</sup>
DENSITY	ASTM D792	1.4 g/cm <sup>3</sup>	1.2 g/cm <sup>3</sup>	1.6 g/cm <sup>3</sup>	1.65 g/cm <sup>3</sup>	1.4 g/cm <sup>3</sup>	0.97 g/cm <sup>3</sup>
CALCIUM CARBONATE	ASTM D5630	60 %	50 %	60 %	70 %	62 %	30 %
MEAN PARTICLE SIZE (D50)	SUPPLIER	3.3	3.3	3.3	3.3	3.3	3.3
TOP CUT (D98)	SUPPLIER	12	12	12	12	12	12
Application		Cast Film	Injection molding	<ul style="list-style-type: none"> <li>• Pipes</li> <li>• Blown extrusion</li> </ul>	<ul style="list-style-type: none"> <li>• Foamed PE products</li> <li>• Transparent blown extrusion film</li> </ul>	<ul style="list-style-type: none"> <li>• Blown extrusion for transparent film</li> <li>• Electrical domestic appliances</li> <li>• Electrical installation</li> <li>• Automotive Industry</li> <li>• Garden Furniture</li> <li>• Television and computer, etc.</li> </ul>	Nucleating agent in foamed PE