



MARPOL® LL6F 805

Marco Polo International, LLC - Linear Low Density Polyethylene

Thursday, October 26, 2023

General Information

Product Description

MARPOL® LL6F 805 is a medium density film resin that exhibits a great balance of tensile, impact, and tear properties. This processing performance is excellent for thin film applications and on high stalk lines.

Recommended Applications

Trash can liners, produce and merchandise

This resin complies with FDA regulation 21 CFR 177.1520 and may be used as articles or components of articles intended for packaging or holding food, except during cooking.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Excellent Processability	• Food Contact Acceptable	• Low Density
Uses	• Film	• Food Packaging	• Liners
Agency Ratings	• FDA 21 CFR 177.1520		

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density	0.937	g/cm ³	ASTM D1505
Melt Mass-Flow Rate			ASTM D1238
190°C/2.16 kg	0.30	g/10 min	
190°C/21.6 kg	20	g/10 min	
Films	Nominal Value	Unit	Test Method
Tensile Strength - MD (Yield)	21.4	MPa	ASTM D882
Tensile Strength - TD (Yield)	21.4	MPa	ASTM D882
Tensile Strength - MD (Break)	42.1	MPa	ASTM D882
Tensile Strength - TD (Break)	42.1	MPa	ASTM D882
Tensile Elongation - MD (Break)	500	%	ASTM D882
Tensile Elongation - TD (Break)	600	%	ASTM D882
Dart Drop Impact	130	g	ASTM D1709
Elmendorf Tear Strength - MD	50	g	ASTM D1922
Elmendorf Tear Strength - TD	500	g	ASTM D1922

Notes

¹ Typical properties: these are not to be construed as specifications.