

# CERTENE™ LLI-5026G

Linear Low Density Polyethylene  
Muehlstein

Message:

LLI-5026G is a certified prime, granular copolymer designed for easing blending with pigments, slip and antiblock additives and other materials making it an excellent base resin for masterbatch products. LLI-5026G complies with FDA regulation 21CFR 177.1520 (c) 3.1a and most international regulations concerning the use of Polyethylene in contact with food articles.

General Information			
Features	Copolymer		
	Compliance of Food Exposure		
Uses	Mixing		
	Masterbatch		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Particles		
Physical	Nominal Value	Unit	Test Method
Density	0.926	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	50	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 100% Igepal, Compression Molded, F50)	5.00	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, Compression Molded)	15.2	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, Compression Molded)	90	%	ASTM D638
Flexural Modulus - 1% Secant (Compression Molded)	448	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	440	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-65.0	°C	ASTM D746
Vicat Softening Temperature	91.0	°C	ASTM D1525
Additional Information			
Test specimens from compression molded plaque according to ASTM D 1928 Procedure C.			
NOTE			
1.	510 mm/min		
2.	510 mm/min		

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Recommended distributors for this material

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