

# LLDPE LL4M 820

Linear Low Density Polyethylene



## Overview

A narrow molecular weight butene copolymer resin designed for applications that require easy processability. This resin offers outstanding toughness and tear resistance in freezer applications for food packaging.

## Applications

- Freezer lids
- Housewares
- Closures
- Protective caps

Property	Value	Unit	ASTM
Melt index (condition 230°C/2.16 kg)	20	g/10 min	D 1238
Density (g/cm <sup>3</sup> )	0.924	g/cm <sup>3</sup>	D 792
Environmental Stress-Cracking Resistance (ESCR, F50)	< 1.00	hr	D1693B
Tensile Strength (Yield)	11.0	MPa	D638
Tensile Elongation (Break)	350	%	D638
Flexural Modulus – 1% Secant	258	MPa	D790B
Tensile Impact Strength (-40 °C)	255	kJ/m <sup>2</sup>	D1822
Brittleness Temperature	< -70.0	°C	D746
Vicat Softening Temperature	94.8	°C	D1525
Peak Melting Temperature	124	°C	D3418