

# Trademark PE LLD2025G

Linear Low Density Polyethylene

Trademark Plastics Corporation

## Message:

Trademark PE LLD2025G is a Linear Low Density Polyethylene product. It can be processed by injection molding and is available in North America. Applications of Trademark PE LLD2025G include caps/lids/closures, additive/masterbatch, food contact applications and household applications. Characteristics include:  
Food Contact Acceptable  
Good Processability  
Good Tear Strength  
Good Toughness

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Good Tear Strength		
	Good Toughness		
Uses	Caps		
	Closures		
	Color Concentrates		
	Household Goods		
	Lids		
	Masterbatch		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Granules		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.925	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 1% Secant	259	MPa	ASTM D638
Tensile Strength (Yield)	11.1	MPa	ASTM D638
Tensile Elongation (Break)	360	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.1	°C	ASTM D746
Vicat Softening Temperature	95.0	°C	ASTM D1525

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