

Trademark PE LLD5025G

High Density Polyethylene

Trademark Plastics Corporation

Message:

Trademark PE LLD5025G is a High Density Polyethylene product. It can be processed by injection molding and is available in North America. Applications of Trademark PE LLD5025G 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		
	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 ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	50	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Injection Molded)	51		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 1% Secant (Injection Molded)	269	MPa	ASTM D638
Tensile Strength (Yield, Injection Molded)	11.3	MPa	ASTM D638
Tensile Elongation (Break, Injection Molded)	95	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.1	°C	ASTM D746
Vicat Softening Temperature	91.7	°C	ASTM D1525

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

