

Polene LDPE SSS 1018

Low Density Polyethylene
TPI Polene Public Company Limited

Message:

Polene LDPE SSS 1018 is a Low Density Polyethylene material. It is available in Asia Pacific or North America for injection molding.
Important attributes of Polene LDPE SSS 1018 are:
Copolymer
Good Toughness
Typical applications include:
Caps/Lids/Closures
Decorative Parts
Engineering/Industrial Parts
Food Contact Applications

General Information			
Features	Copolymer		
	Good Flow		
	Good Toughness		
Uses	Decorative Parts		
	Lids		
	Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	45	g/10 min	ASTM D1238
Vinyl Acetate Content	3.0	wt%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	48		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	9.00	MPa	
Break	7.50	MPa	
Tensile Elongation (Break)	230	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	78.0	°C	ASTM D1525
Injection	Nominal Value	Unit	
Processing (Melt) Temp	170 to 210	°C	

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Recommended distributors for this material

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

