

# Polene LDPE SU 1018

Low Density Polyethylene  
TPI Polene Public Company Limited

Message:

Polene LDPE SU 1018 is a Low Density Polyethylene material. It is available in Asia Pacific or North America for injection molding.  
Important attributes of Polene LDPE SU 1018 are:  
Good Processability  
Low Shrinkage  
Typical applications include:  
Additive/Masterbatch  
Caps/Lids/Closures  
Consumer Goods  
Decorative Parts  
Engineering/Industrial Parts

General Information			
Features	Good Flow		
	Good Processability		
	Low Shrinkage		
Uses	Decorative Parts		
	Lids		
	Masterbatch		
	Thin-walled Parts		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.916	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	45	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	48		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	9.50	MPa	
Break	7.50	MPa	
Tensile Elongation (Break)	170	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	78.0	°C	ASTM D1525
Melting Temperature	100 to 110	°C	ASTM D1238
Injection	Nominal Value	Unit	

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#### Recommended distributors for this material

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