

Sasol Polymers PE LT019

Low Density Polyethylene

Sasol Polymers

Message:

- Features
- Tubular resin
- Good flexibility
- Good transparency
- Applications
- Injection moulded lids and closures
- Masterbatch base

General Information			
Features	Good flexibility		
	Definition, high		
	Compliance of Food Exposure		
Uses	Cover		
	Masterbatch		
	Shell		
Agency Ratings	EC 1935/2004		
	FDA 21 CFR 177.1520(a)(3)(i)(c)(1)		
	FDA 21 CFR 177.1520(c) 3.1a		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	21	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal CO-630, F50)	0.0100	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	51		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	10.0	MPa	ASTM D638
Fracture	6.00	MPa	ASTM D638
Tensile Elongation ² (Break)	80	%	ASTM D638
Flexural Modulus	336	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method

Vicat Softening Temperature	89.0	°C	ASTM D1525
Injection	Nominal Value	Unit	
Rear Temperature	130 - 170	°C	
Middle Temperature	140 - 180	°C	
Front Temperature	150 - 190	°C	
Nozzle Temperature	170 - 200	°C	
Processing (Melt) Temp	180 - 240	°C	
Injection instructions			
Zone 4: 160 to 200°C			
NOTE			
1.	500 mm/min		
2.	500 mm/min		

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