

Sasol Polymers PE HR472

Linear Low Density Polyethylene

Sasol Polymers

Message:

- Features
- High rigidity
- Good impact strength
- Hexene copolymer
- Applications
- Small to medium parts for rotomoulding
- Large parts for injection moulding
- Indoor articles

General Information	
Additive	Antioxidation
Features	Rigidity, high
	Copolymer
	hexene comonomer
	Antioxidation
	Impact resistance, good
	Compliance of Food Exposure
Agency Ratings	EC 1935/2004
	FDA 21 CFR 177.1520(a)(3)(i)(c)(1)
	FDA 21 CFR 177.1520(c) 3.1a
Forms	Particle
Processing Method	rotomolding
	Injection molding

Physical	Nominal Value	Unit	Test Method
Density	0.939	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	61		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	20.0	MPa	ASTM D638
Fracture	27.0	MPa	ASTM D638
Tensile Elongation ² (Break)	920	%	ASTM D638
Flexural Modulus	684	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method

Vicat Softening Temperature	119	°C	ASTM D1525
Injection	Nominal Value	Unit	
Rear Temperature	150 - 190	°C	
Middle Temperature	160 - 200	°C	
Front Temperature	170 - 210	°C	
Nozzle Temperature	190 - 220	°C	
Processing (Melt) Temp	200 - 280	°C	
Injection instructions			
Zone 4: 180 to 220°C			
NOTE			
1.	50 mm/min		
2.	50 mm/min		

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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



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