Sasol Polymers PE HR477

Linear Low Density Polyethylene

Sasol Polymers

Message:

Features
High rigidity
Good impact strength
Heat and UV resistant
Hexene copolymer
Applications
Small to medium parts for rotomoulding
Large parts for injection moulding
Outdoor articles

General Information	
Additive	Antioxidation
	demoulding
	UV stabilizer
Features	Rigidity, high
	Copolymer
	hexene comonomer
	Antioxidation
	Impact resistance, good
	Good UV resistance
	Heat resistance, medium
	Compliance of Food Exposure
	Good demoulding performance
	Medium viscosity
Uses	Outdoor application
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/cm³	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)	63		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	600	MPa	ASTM D790
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	118	°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		

Recommended distributors for this material

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