

Acrigel® LEP100

Polymethyl Methacrylate Acrylic

Unigel Plásticos

Message:

Medium flow rate and lubricated, good thermal resistance and good balance stiffness/impact.

Applications:

Automotive lighting

Public lighting

Appliances

Technical parts.

General Information			
Features	Good Impact Resistance		
	Good Stiffness		
	Lubricated		
	Medium Flow		
	Medium Heat Resistance		
Uses	Appliances		
	Automotive Applications		
	Engineered Applications		
	Lighting Fixtures		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	3.8	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	70.0	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	14	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	96.0	°C	ASTM D648
Vicat Softening Temperature	108	°C	ASTM D1525 ¹
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.490		ASTM D542
Transmittance	92.0	%	ASTM D1003

Injection	Nominal Value	Unit
Drying Temperature	85.0	°C
Drying Time	4.0	hr
Rear Temperature	220	°C
Middle Temperature	230	°C
Front Temperature	240	°C
Nozzle Temperature	235	°C
Mold Temperature	60.0	°C
NOTE		

1. Rate A (50°C/h), Loading 2 (50 N)

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

