

Acrigel® LFP290

Polymethyl Methacrylate Acrylic

Unigel Plásticos

Message:

Medium flow rate, good impact resistance, good thermal resistance and good balance stiffness/impact.
Main applications: appliances and technical parts.

General Information			
Features	Good Impact Resistance		
	Good Stiffness		
	Medium Flow		
	Medium Heat Resistance		
Uses	Appliances		
	Engineered Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	7.5	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	75		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	58.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	13	%	ASTM D638, ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	18	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 3.20 mm	73.0	°C	ASTM D648
1.8 MPa, Unannealed	73.0	°C	ISO 75-2/A
Vicat Softening Temperature	99.0	°C	ISO 306/B50, ASTM D1525 1
Optical	Nominal Value	Unit	Test Method
Transmittance	90.0	%	ASTM D1003
NOTE			

1. Rate A (50°C/h), Loading 2 (50 N)

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