

Termaloy L-8040

Polycarbonate + ABS

Proquigel

Message:

Offers high-heat and impact resistance and good electrical properties. Principle use is for automotive and electronics industry parts, vehicles front panels, as well as component parts, headlight carcasses, motorcycle instrument boxes, portable home appliance parts, electrical connections and switches.

General Information			
Features	Good Electrical Properties		
	Good Impact Resistance		
	High Heat Resistance		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	3.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	117		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	52.0	MPa	ASTM D638
Tensile Elongation (Break)	60	%	ASTM D638
Flexural Modulus	2300	MPa	ASTM D790
Flexural Strength (Break)	73.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm	420	J/m	
23°C, 6.20 mm	370	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	106	°C	ASTM D648
Vicat Softening Temperature	140	°C	ASTM D1525

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