

ABS Proquigel FR

Acrylonitrile Butadiene Styrene
Proquigel

Message:

Flame retardant grade used in critical flame-retardant applications such as typewriters, computer housings, photocopying machines and aircraft internal components.

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
Uses	Aircraft Applications		
	Computer Components		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	1.2	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	103		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	46.0	MPa	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Modulus	2200	MPa	ASTM D790
Flexural Strength (Break)	65.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm	140	J/m	
23°C, 6.20 mm	100	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	83.0	°C	ASTM D648
Vicat Softening Temperature	100	°C	ASTM D1525
Flammability	Nominal Value	Test Method	
Flame Rating	V-0	UL 94	

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