

# ABS Proquigel T

Acrylonitrile Butadiene Styrene  
Proquigel

Message:

Offers good overall balance of gloss, toughness, impact resistance and rigidity. Recommended for applications requiring aesthetic qualities, scratch resistance and good dimensional stability such as domestic appliances, air conditioners, office equipment, refrigerator components, toys and telephone cases.

General Information			
Features	Good Dimensional Stability		
	Good Impact Resistance		
	Good Surface Finish		
	Good Toughness		
	High Gloss		
	High Rigidity		
	Scratch Resistant		
Uses	Appliances		
	Toys		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	1.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		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)	67.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm	260	J/m	
23°C, 6.20 mm	220	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	88.0	°C	ASTM D648

Vicat Softening Temperature	107	°C	ASTM D1525
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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