

# ABS Proquigel X-17

Acrylonitrile Butadiene Styrene  
Proquigel

Message:

Offers higher heat resistance than X-11. Recommended where impact resistance is secondary to heat resistance. Main automotive applications include instrument panel parts, from and rear lamp housings and upper rear quarter trim panels. ABS Proquigel X-17 has also been used for producing portable hair dryers and coffee making units.

General Information	
Features	Good Impact Resistance
	High Heat Resistance
Uses	Automotive Applications
	Automotive Exterior Parts
	Automotive Interior Parts
Appearance	Colors Available
Forms	Pellets
Processing Method	Extrusion
	Injection Molding
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	0.70	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	107		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	50.0	MPa	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Modulus	2400	MPa	ASTM D790
Flexural Strength (Break)	75.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm	240	J/m	
23°C, 6.20 mm	200	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	93.0	°C	ASTM D648
Vicat Softening Temperature	114	°C	ASTM D1525

Flammability	Nominal Value	Test Method
Flame Rating	HB	UL 94

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