

ABS Proquigel X-11

Acrylonitrile Butadiene Styrene
Proquigel

Message:

A heat and impact resistant grade. Widely used in the automotive industry for such parts as exterior painted radiator grills, consoles or air ventilator units. Can also be extruded and thermoformed.

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

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	0.80	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)	47.0	MPa	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Modulus	2400	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	250	J/m	
23°C, 6.20 mm	210	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	91.0	°C	ASTM D648
Vicat Softening Temperature	112	°C	ASTM D1525

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