

ABS Proquigel EP-3510

Acrylonitrile Butadiene Styrene
Proquigel

Message:

An electroplating resin which can substitute metals for many applications. Excellent physical and chemical resistance combined with good flow. Ideally used for producing various hydraulic parts, housewares, bath-room components, emblems and toys.

General Information			
Features	Good Chemical Resistance		
	Good Flow		
Uses	Bathroom Accessories		
	Household Goods		
	Hydraulic Applications		
	Toys		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	0.90	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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Recommended distributors for this material

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