

ABS Proquigel LS

Acrylonitrile Butadiene Styrene

Proquigel

Message:

An ABS resin with excellent environment stress cracking resistance due to special physical-chemical properties. Can be used either for blow molding or for sheets extrusion. Also recommended for use in injection of parts which require metallic inserts.

General Information	
Features	High ESCR (Stress Crack Resist.)
Appearance	Colors Available
Forms	Pellets
Processing Method	Blow Molding Extrusion Injection Molding Vacuum Forming

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)	0.22	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	103		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	38.0	MPa	ASTM D638
Tensile Elongation (Break)	60	%	ASTM D638
Flexural Modulus	1900	MPa	ASTM D790
Flexural Strength (Break)	62.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm	380	J/m	
23°C, 6.20 mm	340	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	86.0	°C	ASTM D648
Vicat Softening Temperature	106	°C	ASTM D1525

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