

ABS Proquigel GSE

Acrylonitrile Butadiene Styrene
Proquigel

Message:

Provides an overall well balanced set of properties which include ease of processability and good formability. Recommended for use in a wide field of applications such as briefcases, thermoformed chair and T.V. shells.

General Information	
Features	General Purpose
	Good Processability
Uses	Appliance Components
	Furniture
	General Purpose
Appearance	Colors Available
Forms	Pellets
Processing Method	Extrusion
	Thermoforming
	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)	0.40	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)	40.0	MPa	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
Flexural Modulus	2000	MPa	ASTM D790
Flexural Strength (Break)	63.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm	300	J/m	
23°C, 6.20 mm	260	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
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

