

Generic ABS+SAN

Acrylonitrile Butadiene Styrene + SAN

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic ABS+SAN
This information is provided for comparative purposes only.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.08 to 1.09	g/cm³	ASTM D792
23°C	1.07 to 1.08	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			
230°C/3.8 kg	5.9 to 38	g/10 min	ASTM D1238
220°C/10.0 kg	16 to 98	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (23°C)	121 to 123		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3830 to 4090	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield, 23°C	41.6 to 74.0	MPa	
Break, 23°C	53.6 to 74.0	MPa	
Tensile Elongation			ASTM D638
Yield, 23°C	1.4 to 2.9	%	
Break, 23°C	1.7 to 2.9	%	
Flexural Modulus			
23°C	3440 to 3900	MPa	ASTM D790
23°C	3460	MPa	ISO 178
Flexural Stress			
23°C	36.3 to 92.0	MPa	ISO 178
Yield, 23°C	66.2 to 134	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	1.1 to 1.5	kJ/m²	ISO 179
Notched Izod Impact			
23°C	14 to 46	J/m	ASTM D256
23°C	1.6 to 3.2	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	95.2 to 110	°C	ASTM D648
1.8 MPa, Unannealed	82.7 to 100	°C	ASTM D648

1.8 MPa, Unannealed	82.9 to 99.6	°C	ISO 75-2/A
Vicat Softening Temperature	102 to 118	°C	ISO 306

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