

Budd DSM-971 Smooth Surface, Class "A" SMC (discontinued **)

Category : Polymer , Thermoset , Composite SMC , Polyester, TS

Material Notes:

Parts requiring high strength and dimensional stability, excellent surface smoothness without sink marks; parts to be painted requiring an automotive-type finish. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Budd-DSM-971-Smooth-Surface-Class-A-SMC-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.92 g/cc	0.0694 lb/in ³	
Water Absorption	<= 0.35 %	<= 0.35 %	ASTM D570-63
Linear Mold Shrinkage	0.00070 cm/cm	0.00070 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	45	45	ASTM D2583
Tensile Strength, Ultimate	70.0 MPa	10200 psi	ASTM D638-68
Flexural Yield Strength	175 MPa	25400 psi	ASTM D790-70
Flexural Modulus	10.0 GPa	1450 ksi	ASTM D790-70
Compressive Yield Strength	145 MPa	21000 psi	ASTM D695-69
Izod Impact, Notched	9.50 J/cm	17.8 ft-lb/in	ASTM D256-70

Thermal Properties	Metric	English	Comments
CTE, linear	13.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	7.22 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@ Temperature 23.0 - 150 °C	@ Temperature 73.4 - 302 °F	
Deflection Temperature at 1.8 MPa (264 psi)	>= 235 °C	>= 455 °F	ASTM D648-61

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