

Multibase SILASTIC® MDX4-4210 Dow-Corning Biomedical Grade Elastomer

Category : Polymer , Thermoset , Silicone

Material Notes:

Information provided by Multibase

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-SILASTIC-MDX4-4210-Dow-Corning-Biomedical-Grade-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	Relative, press-cured
Viscosity	60000 cP	60000 cP	initial; ASTM D1084
	110000 cP	110000 cP	after 2 hours; ASTM D1084
	115000 cP	115000 cP	base viscosity; ASTM D1084

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	30	30	cured
Tensile Strength, Ultimate	5.03 MPa	730 psi	cured; ASTM D412
Elongation at Break	470 %	470 %	cured; ASTM D412

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.00e+15 ohm-cm	2.00e+15 ohm-cm	ASTM D257
Surface Resistance	>= 7.00e+16 ohm	>= 7.00e+16 ohm	ASTM D257
Dielectric Constant	3.0	3.0	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
	3.01	3.01	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	22.6 kV/mm	575 kV/in	ASTM D149
Dissipation Factor	0.00090	0.00090	ASTM D150
	@Frequency 100 Hz	@Frequency 100 Hz	
	0.0010	0.0010	ASTM D150
	@Frequency 100000 Hz	@Frequency 100000 Hz	

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