

Dow Corning HV 1540/20P BASE AND CLEAR CURING AGENT

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE) , Silicone , Silicone Rubber

Material Notes:

32 Shore, very low viscosity, castable hydrophobic silicone rubber with high tear strength and low temperature cure. Information provided by Dow Corning

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Corning-HV-154020P-BASE-AND-CLEAR-CURING-AGENT.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.13 g/cc	1.13 g/cc	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Viscosity	14000 cP	14000 cP	dynamic, mixing
	16000 cP	16000 cP	dynamic, part B
	20000 cP	20000 cP	dynamic, part A

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	32	32	
Tensile Strength, Ultimate	7.79 MPa	1130 psi	
Elongation at Break	500 %	500 %	
Tear Strength	29.8 kN/m	170 pli	

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	clear; thickness not quantified

Electrical Properties	Metric	English	Comments
Volume Resistivity	6.00e+14 ohm-cm	6.00e+14 ohm-cm	
Dielectric Constant	2.8	2.8	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	24.2 kV/mm	615 kV/in	
Dissipation Factor	0.0010	0.0010	
	@Frequency 100 Hz	@Frequency 100 Hz	

Processing Properties	Metric	English	Comments
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Processing Properties	10.0 min Metric	0.167 hour English	Comments
	@Temperature 100 °C	@Temperature 212 °F	
	50.0 min	0.833 hour	
	@Temperature 60.0 °C	@Temperature 140 °F	
	1440 min	24.0 hour	
	@Temperature 22.0 °C	@Temperature 71.6 °F	
Pot Life	60 min	60 min	
Shelf Life	6.00 Month	6.00 Month	

Descriptive Properties	Value	Comments
Color	clear	part A
	light grey	part B
Hydrophobic	yes	
Mix Ratio (X:1)	9	Base to Catalyst ETN

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