

Lord Adhesives HPC-3B Fluoroelastomer Coating

Category : Polymer , Thermoset , Fluoropolymer, TS , Thermoset Fluoroelastomer , Rubber or Thermoset Elastomer (TSE)

Material Notes:

LORD HPC-3B and HPC-3C are two-part, room temperature curing fluoroelastomer coatings which feature robust adhesion and exceptional mechanical properties. These coatings greatly enhance fuel and fluid resistance for a wide variety of elastomeric substrates. HPC-3B is black; HPC-3C is clear. Coatings are composed of a mixture of polymers, organic compounds and fillers dissolved or dispersed in an organic solvent system. HPC-3 Curative is added to either HPC-3B or HPC-3C. All information provided by Lord.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lord-Adhesives-HPC-3B-Fluoroelastomer-Coating.php

Physical Properties	Metric	English	Comments
Density	0.8999 g/cc	0.03251 lb/in ³	HPC-3B
	0.948 g/cc	0.0342 lb/in ³	HPC-3 Curative
Solids Content	10.1 %	10.1 %	HPC-3B; by volume
	20 %	20 %	HPC-3B; by weight
	99.4 %	99.4 %	HPC-3 Curative; by volume
	99.5 %	99.5 %	HPC-3 Curative; by weight
Brookfield Viscosity	75 - 300 cP	75 - 300 cP	LVT, Spindle #1 @ 60rpm
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Thermal Properties	Metric	English	Comments
Flash Point	15.6 °C	60.1 °F	HPC-3B; Seta
	92.8 °C	199 °F	HPC-3 Curative; Seta

Processing Properties	Metric	English	Comments
Cure Time	10.0 min	0.167 hour	Let sit for 24 hours to develop a final cure
	@Temperature 121 °C	@Temperature 250 °F	
Shelf Life	>= 4320 min	>= 72.0 hour	12.0 Month
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Shelf Life	12.0 Month	12.0 Month	12.0 Month
	@Temperature 21.0 - 27.0 °C	@Temperature 69.8 - 80.6 °F	

Descriptive Properties	Value	Comments
Appearance	Black Liquid	HPC-3B
	Clear Liquid	HPC-3 Curative
Solvents	MIBK, MEK	

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