

Palm Labs Adhesives TURBO SEAL SERIES 85 WHITE STAINLESS STEEL THREAD SEALANT

Category : Polymer , Adhesive , Thermoset , Methacrylate , Methacrylate Adhesive

Material Notes:

TURBO SEAL SERIES 95 is a medium strength high performance anaerobic thread sealant designed for the locking and sealing of metal threaded pipes and fittings. The product cures rapidly in the absence of air between close fitting metal surfaces and provide low-pressure resistance immediately after application. Applications: Ideal for locking and sealing of metal pipes and fittings. Designed for coarse threads. Suitable for stainless steel surface without the need of surface activation Part Numbers for this data: 95-051, 95-251 Information provided by Palm Laboratories Adhesives

Order this product through the following link:

http://www.lookpolymers.com/polymer_Palm-Labs-Adhesives-TURBO-SEAL-SERIES-85-WHITE-STAINLESS-STEEL-THREAD-SEALANT.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	
Brookfield Viscosity	24000 - 80000 cP	24000 - 80000 cP	RVT Spindle 3 @ 20 rpm

Mechanical Properties	Metric	English	Comments
Shear Strength	>= 5.00 MPa	>= 725 psi	Steel Pins & Collars; ISO 10123

Thermal Properties	Metric	English	Comments
CTE, linear	0.800 $\mu\text{m}/\text{m}\cdot\text{°C}$	0.444 $\mu\text{in}/\text{in}\cdot\text{°F}$	ASTM D696
Specific Heat Capacity	0.300 J/g-°C	0.0717 BTU/lb-°F	
Thermal Conductivity	0.100 W/m-K	0.694 BTU-in/hr-ft ² -°F	ASTM C177
Flash Point	>= 37.8 °C	>= 100 °F	

Processing Properties	Metric	English	Comments
Cure Time	120 - 240 min	2.00 - 4.00 hour	Functional
	1440 min	24.0 hour	Full
	10.0 - 30.0 min @Temperature -65.0 - 180 °C	0.167 - 0.500 hour @Temperature -85.0 - 356 °F	Handling

Descriptive Properties	Value	Comments
Appearance	Yellow	
Chemical Resistance		Ethanol at 22°C, at 500hrs

Descriptive Properties	100% Initial Strength Retained Value	Comments
	100% Initial Strength Retained	Motor Oil at 125°C, at 500hrs
	100% Initial Strength Retained	Gasoline at 22°C, at 500hrs
	100% Initial Strength Retained	Brake Fluid at 22°C, at 500hrs
	100% Initial Strength Retained	Motor Oil at 125°C, at 1000hrs
	100% Initial Strength Retained	Gasoline at 22°C, at 1000hrs
	65% Initial Strength Retained	Acetone at 22°C, at 1000hrs
	80% Initial Strength Retained	Acetone at 22°C, at 500hrs
	90% Initial Strength Retained	Water/Glycol at 87°C, at 1000hrs
	90% Initial Strength Retained	Water/Glycol at 87°C, at 500hrs
	95% Initial Strength Retained	Brake Fluid at 22°C, at 1000hrs
	95% Initial Strength Retained	Ethanol at 22°C, at 1000hrs
Composition	Methacrylate ester	
Torque	>11 N.m	Breakaway, M10 steel nuts and bolts, ISO 10964
	17 N.m	Breakloose, pre-torqued to 5 N.m, M10 steel nuts and bolts, ISO 10964
	17 N.m	Max Prevail, pre-torqued to 5 N.m, M10 steel nuts and bolts N.m, ISO 10964
	6 N.m	Prevail, M10 steel nuts and bolts, ISO 10964

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