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SONLOK™ 3555

Teflon Filled Anaerobic Thread Sealant

SONLOK 3555 is an anaerobic thread sealant compound with paste like consistency. The compound cures in the absence of air between close fitting metal surfaces.

SONLOK 3555 develops controlled strength to facilitate disassembly. The compound is specifically designed for sealing galvanized metal pipes for fire sprinkler systems.

This sealant is also used for sealing metal tapered pipe threads and fittings up to 2 inches for wide variety of industrial applications such as petroleum refining, automotive, gas compression and distribution industries, power plants, chemical processing, textile machinery, waste treatment, paper plants, industrial equipments, etc.

Physical Properties:

Composition:	Dimethacrylate ester
Color:	White
Viscosity:	400,000 – 750,000cps Paste
Brookfield RVT @ 25 °C Spindle 7 @ 2 rpm	
Specific Gravity:	1.11
Maximum Diameter of Thread/Gap Filling:	0.70 mm
Flash Point:	> 100 °C
Solvent Content:	None
Shelf Life:	1 year

Curing Properties:

Handling Cure Time:	30-50 minutes
Functional Cure Time:	2-3 hours
Full Cure Time:	24 hours
Shear Strength:	25-35 N/mm ² (ASTM D – 1002)
Breakway Torque, N.m	3 - 9 ISO 10964
Prevail Torque, N.m	1 – 7 ISO 10964
Elongation of Cured Film:	90%
Temperature Range:	65 to 150 °C

Coefficient of Thermal Expansion,	K-1 80×10 ⁻⁶	ASTM D 696
Coefficient of Thermal Conductivity,	0.10 W/(m·K)	ASTM C 177
Specific Heat, kJ/(kg·K)	0.30	



Chemical Resistance:

Chemical Retained	Temp.	% Initial Strength	
		500 hours	1000 hours
Acetone	22 °C	100	100
Ethanol	22 °C	100	100
Motor Oil	125 °C	100	95
Gasoline	22 °C	100	100
Brake Fluid	22 °C	100	100
Water/Glycol	87 °C	90	80

Application Method:

Surfaces should be dry, clean, and free of any contamination. To increase the cure speed, spray the Activator 3071 or 3049 and allow to dry. Using standard practices, assemble and wrench tightens fittings until proper alignment is obtained. Properly tightened fittings will seal instantly to moderate pressure. Maximum strength and resistance properties will achieve after 24 hours.

For disassembly, use standard hand tools.

GENERAL INFORMATION:

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

Storage:

Anaerobic adhesives shall be ideally stored in a cool, dry place in unopened containers at a room temperature between 46 °F to 82 °F. Please do not return any unused material to its original container.

PRECAUTIONS: This product and the auxiliary materials normally combined with it are capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the material..

Warranty: All products purchased from or supplied by Parson are subject to terms and conditions set out in the contract. Parson warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by Parson is consider accurate but are furnished upon the express condition the customer shall make its own assessment to determine the product's suitability for a particular purpose. Parson makes no other warranty, either express or implied, including those regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will nor infringe any patent.