

Raysorex

A product of Rayco Technologies



RAYSOSEX™ 3500 **UV curable urethane compound**

Non Tacky Dispense-in-Place gaskets with stable low outgassing and excellent sealing properties.

Raysorex™ 3500 is a ready-to-use compound based on low molecular weight urethane oligomers. It has an incorporated system to initiate fast cross-linking within seconds upon exposure to UV-light.

Although UV-cured compounds do not necessarily need postcuring to provide the ultimate properties, some short-term heat treatment is recommended to blow out low molecular weight by-products from UV-initiation to reduce the out-gassings.

Raysorex™ 3500 features

Non tacky texture

Low outgassing after short heat treatment

Good outgas stability over long storage periods

High viscosity for consistent bead profiles

Incorporated fast UV-cure system

Excellent thermal stability

Fast and high production yield

Material Specifications

Physical

Properties	Test Method	Units	Value
Chemical Composition	-	-	Urethane based
Physical Form @ R.T	-	-	Liquid Paste
Color	-	-	Natural
Specific Gravity	ASTM D792	-	1.101
Viscosity @ 200°C	ASTM D1238	Pa-s (cPs)	450 (450,000)

Mechanical

Properties	Test Method	Units	Value
Hardness (Shore A)	ASTM D2240	-	35 - 40
Compression Set (80°C for 72hrs)	ASTM D395	%	13 - 18
Tensile Strength	ASTM D412	MPa (psi)	0.9 (142)
Elongation @ Break	ASTM D412	%	103
Adhesion to substrate Shear force	-	N	4.5 - 7

Cleanliness Data

Properties	Test Method	Units	Value
Outgas by DHS	20800020-001 Rev E	ng/g	17,000



The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking the supplies immediately on receipt. The user shall evaluate and determine whether the product is suitable for the intended applications. We reserve the rights to alter product constants within the scope of technical progress or new developments. In no case will Rayco be liable for any special, incidental, or consequential damages based on breach of warranty or contract, negligence, strict tort, or any other theory.

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