Specification Details: **Date: 5/20/2025**

Specification: MIL-I-46058
Title: Insulating Compound, Electrical (for Coating Printed Circuit Assemblies)
Federal Supply Class (FSC): 5970
Conventional: Yes
Specification contains quality assurance program: No
MIL-STD-790 Established Reliability & High Reliability: No
MIL-STD-690 Failure Rate Sampling Plans & Procedures: No
Weibull Graded: No
Specification contains space level reliability requirements: No
Specification allows test optimization: No

Contact Information:

Office of Primary Involvement: Electronic Devices Branch, DLA Land and Maritime - VQE
Primary Qualifying Activity Contact: 614-692-9554, e-mail: vqe.zc@dla.mil

Notes:

Effective 30 November 1998, MIL-I-46058C, has been declared "Inactive for New Design" with no superseding specification. This is applicable on all acquisitions to which MIL-I-46058 is applied.

Part Configuration:

Listed only as material type.

PART LISTINGS

GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
Type AR	7503 LM-A/B	46058-060-96	Aptek Laboratories
Type AR	7503 LM-PMF	46058-060-96	Aptek Laboratories
Type AR	7504 LM-A/B	46058-060-96	Aptek Laboratories
Type AR	7504 LM-PMF	46058-060-96	Aptek Laboratories
Type AR	903	46058-2156-08	Dymax Corporation
Type AR	903-E	46058-2927-11	Dymax Corporation
Type AR	905	46058-1599-07	Dymax Corporation
Type AR	905-LV	46058-1599-07	Dymax Corporation
Type AR	9-20557	46058-1599-07	Dymax Corporation
Type AR	9-20557-LV	46058-1599-07	Dymax Corporation
Type AR	9481	46058-2156-08	Dymax Corporation
Type AR	9481-E	46058-2927-11	Dymax Corporation
Type AR	9482	46058-3798-14	Dymax Corporation
Type AR	9483	46058-5583-19	Dymax Corporation
Type AR	9771	46058-6450-22	Dymax Corporation
Type AR	984-LVF	46058-656-03	Dymax Corporation
Type AR	984-LVUF	46058-656-03	Dymax Corporation
Type AR	984-TC	46058-656-03	Dymax Corporation
Type AR	987	46058-1934-08	Dymax Corporation
Type AR	CE-1170	46058-140-81	ELANTAS PDG, Inc. (Olean)
Type AR	CE-1171	46058-141-81	ELANTAS PDG, Inc. (Olean)
Type AR	Beltron PL 1102	46058-3516-13	ELANTAS PDG, Inc. (St. Louis)
Type AR	High Perfomance Acrylic (HPA)	46058-1682-06	H. K. Wentworth, Ltd.
Type AR	PC20M	46058-3682-13	Henkel Electronic Materials, LLC
Type AR	1B31	46058-112-88	HumiSeal Europe, Ltd.
Type AR	1B31-EPA	46058-270-92	HumiSeal Europe, Ltd.
Type AR	1B31-LOC	46058-397-94	HumiSeal Europe, Ltd.
Type AR	1B31S	46058-1093-05	HumiSeal Europe, Ltd.
Type AR	1B73	46058-369-76	HumiSeal Europe, Ltd.
Type AR	1B73-AP	46058-360-76	HumiSeal Europe, Ltd.

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GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
Type AR	1B73-EPA	46058-269-92	HumiSeal Europe, Ltd.
Type AR	UV40	46058-1666-07	HumiSeal Europe, Ltd.
Type AR	1B31	46058-112-88	HumiSeal North American Sales
Type AR	1B31-EPA	46058-270-92	HumiSeal North American Sales
Type AR	1B31-LOC	46058-397-94	HumiSeal North American Sales
Type AR	1B31S	46058-1093-05	HumiSeal North American Sales
Type AR	1B73	46058-369-76	HumiSeal North American Sales
Type AR	1B73-EPA	46058-269-92	HumiSeal North American Sales
Type AR	1B73-LOC	46058-398-94	HumiSeal North American Sales
Type AR	UV40	46058-1666-07	HumiSeal North American Sales
Type ER	903	46058-2156-08	Dymax Corporation
Type ER	905	46058-1599-07	Dymax Corporation
Type ER	905-LV	46058-1599-07	Dymax Corporation
Type ER	9-20557	46058-1599-07	Dymax Corporation
Type ER	9-20557-LV	46058-1599-07	Dymax Corporation
Type ER	9481	46058-2156-08	Dymax Corporation
Type ER	984-LVF	46058-656-03	Dymax Corporation
Type ER	984-LVUF	46058-656-03	Dymax Corporation
Type ER	984-TC	46058-656-03	Dymax Corporation
Type ER	2A53	46058-397-73	HumiSeal North American Sales
Type SR	DOWSIL 1-4010 Conformal Coating	46058-014-98	Dow Silicones Corporation (Auburn, MI)
Type SR	DOWSIL 3140 RTV Coating with PR-1204 Primer	46058-285-89	Dow Silicones Corporation (Auburn, MI)
Type SR	DOWSIL 3-1944 RTV Coating	46058-1090-05	Dow Silicones Corporation (Auburn, MI)
Type SR	DOWSIL 3-1953 Conformal Coating	46058-1091-05	Dow Silicones Corporation (Auburn, MI)
Type SR	DOWSIL 3-1965 Conformal Coating	46058-1092-05	Dow Silicones Corporation (Auburn, MI)
Type SR	DOWSIL 3140 RTV Coating	46058-013-98	Dow Silicones Corporation (Elizabethtown, KY)
Type SR	DDOWSIL 1-2620 Dispersion	46058-001-98	Dow Silicones Corporation (Midland, MI)
Type SR	DOWSIL 1-2577 Conformal Coating	46058-001-98	Dow Silicones Corporation (Midland, MI)
Type SR	DOWSIL 1-2577 Low VOC Conformal Coating	46058-001-98	Dow Silicones Corporation (Midland, MI)
Type SR	DOWSIL 1-2620 Low VOC Conformal Coating	46058-001-98	Dow Silicones Corporation (Midland, MI)
Type SR	1C49	46058-409-90	HumiSeal North American Sales
Type SR	1C49-LV	46058-937-05	HumiSeal North American Sales
Type SR	1C51	46058-409-90	HumiSeal North American Sales
Type UR	2503 A/B	46058-95-91	Aptek Laboratories
Type UR	2503-A/B High Solids	46058-95-91	Aptek Laboratories
Type UR	2512-A/B	46058-3809-13	Aptek Laboratories
Type UR	7503 LM-A/B	46058-060-96	Aptek Laboratories
Type UR	7503 LM-PMF	46058-060-96	Aptek Laboratories
Type UR	7504 LM-A/B	46058-060-96	Aptek Laboratories
Type UR	7504 LM-PMF	46058-060-96	Aptek Laboratories
Type UR	903	46058-2156-08	Dymax Corporation
Type UR	903-E	46058-2927-11	Dymax Corporation
Type UR	905	46058-1599-07	Dymax Corporation
Type UR	905-LV	46058-1599-07	Dymax Corporation
Type UR	9-20557	46058-1599-07	Dymax Corporation
Type UR	9-20557-LV	46058-1599-07	Dymax Corporation
Type UR	9481	46058-2156-08	Dymax Corporation
Type UR	9481-E	46058-2927-11	Dymax Corporation

PART LISTINGS			
GOVERNMENT DESIGNATION	MANUFACTURER'S DESIGNATION OR TYPE NUMBER	TEST OR QUALIFICATION REFERENCE	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)
Type UR	9482	46058-3798-14	Dymax Corporation
Type UR	9483	46058-5583-19	Dymax Corporation
Type UR	9771	46058-6450-22	Dymax Corporation
Type UR	984	46058-656-03	Dymax Corporation
Type UR	984 Sure Cure	46058-656-03	Dymax Corporation
Type UR	984-F	46058-656-03	Dymax Corporation
Type UR	984-LVF	46058-656-03	Dymax Corporation
Type UR	984-LVUF	46058-656-03	Dymax Corporation
Type UR	984-RF	46058-656-03	Dymax Corporation
Type UR	984-TC	46058-656-03	Dymax Corporation
Type UR	987	46058-1934-08	Dymax Corporation
Type UR	CE-1155 Parts A & B	46058-408-73	ELANTAS PDG, Inc. (Olean)
Type UR	CE-1155 with AD-1146-C	46058-541-90	ELANTAS PDG, Inc. (Olean)
Type UR	CE-1155 with AD-1147-C	46058-541-90	ELANTAS PDG, Inc. (Olean)
Type UR	CE-1155-35 Parts A & B	46058-409-73	ELANTAS PDG, Inc. (Olean)
Type UR	CE-1164	46058-410-73	ELANTAS PDG, Inc. (Olean)
Type UR	CE-1164 with AD-1146-C	46058-541-90	ELANTAS PDG, Inc. (Olean)
Type UR	CE-1164 with AD-1147-C	46058-541-90	ELANTAS PDG, Inc. (Olean)
Type UR	Bectron PT 4600	46058-4209-16	ELANTAS PDG, Inc. (St. Louis)
Type UR	1A33	46058-399-73	HumiSeal Europe, Ltd.
Type UR	UV40	46058-1666-07	HumiSeal Europe, Ltd.
Type UR	1A20	46058-113-88	HumiSeal North American Sales
Type UR	1A20R	46058-3777-13	HumiSeal North American Sales
Type UR	1A33	46058-399-73	HumiSeal North American Sales
Type UR	2A64	46058-370-76	HumiSeal North American Sales
Type UR	UV40	46058-1666-07	HumiSeal North American Sales
Type UR	UV40-LV	46058-1667-07	HumiSeal North American Sales
Type UR	Arathane 5750 A/B(LV)	46058-248-92; 46058-80-93	Huntsman Advanced Materials
Type XY	Galxyl C	46058-388-89	Galentis S.r.l.
Type XY	Parylene C	46058-041A-97	Specialty Coating Systems
Type XY	Parylene C with AdPro Plus	46058-1828-07	Specialty Coating Systems
Type XY	Parylene HT	46058-1262-05	Specialty Coating Systems
Type XY	Parylene HT with AdPro Plus	46058-1829-07	Specialty Coating Systems
Type XY	Parylene N	46058-041B-97	Specialty Coating Systems
Type XY	diX C	46058-101-92	Uniglobe Kisco, Inc.
Type XY	diX SR	46058-1423-06	Uniglobe Kisco, Inc.

Manufacturer: Aptek Laboratories (CAGE Code: 0N1V4)
Location: 28750 Livingston Avenue, Valencia, CA 91355, US

Plants:
1. Plant: Same Address as Manufacturer

Manufacturer: Dow Silicones Corporation (CAGE Code: 71984)
Location: P.O. Box 994, Mail Drop: AUB1007, 2200 W. Salzburg Road, Midland, MI 48686-0994, US

Plants:
1. Dow Silicones Corporation (Auburn, MI), CAGE: 58FS3, 11 Mile Road, Auburn, MI 48611, US
2. Dow Silicones Corporation (Elizabethtown, KY), CAGE: 9A303, Highway 62, Elizabethtown, KY US
3. Dow Silicones Corporation (Midland, MI), CAGE: 71984, 3901 S. Saginaw Road, Midland, MI 48686, US

Manufacturer: Dymax Corporation (CAGE Code: 46733)
Location: 318 Industrial Lane, Torrington, CT 06790, US

Plants:
1. Plant: Same Address as Manufacturer

Manufacturer: ELANTAS PDG, Inc. (Olean) (CAGE Code: 16245)
Location: 1405 Buffalo Street, Olean, NY 14706-1139, US

Plants:
1. Plant: Same Address as Manufacturer

Manufacturer: ELANTAS PDG, Inc. (St. Louis) (CAGE Code: 97160)
Location: 5200 North Second Street, St. Louis, MO 63147, US

Plants:
1. Plant: Same Address as Manufacturer

Manufacturer: Galentis S.r.l. (CAGE Code: AQ545)
Location: Via delle industrie, 11, 30020 Marcon (Venice), Italy

Plants:
1. Plant: Same Address as Manufacturer

Manufacturer: H K Wentworth, Ltd. (CAGE Code: K2337)
Location: Kingsbury Park, Midland Road, Swadlincote, Derbyshire DE11 OAN, UK

Plants:
1. Plant: Same Address as Manufacturer

Manufacturer: Henkel Electronic Materials, LLC (CAGE Code: 6A3A7)
Location: 825 Cedar Springs Road, Salisbury, NC 28147, US

Plants:
1. Plant: Same Address as Manufacturer

Manufacturer: HumiSeal Technology Center (CAGE Code: LAB)
Location: Chase Corporation, 295 University Avenue, Westwood, MA 02090, US

Plants:
1. HumiSeal Europe, Ltd., CAGE: U4656, 505 Eskdale Road, Winnersh, Berkshire, RG41 5TU, UK
2. HumiSeal North American Sales, CAGE: 99109, 201 Zeta Drive, Pittsburgh, PA 15238, US

Manufacturer: Huntsman Advanced Materials (CAGE Code: 99384)
Location: 5121 San Fernando Road West, Los Angeles, CA 90039, U.S.A

Manufacturer: Specialty Coating Systems (CAGE Code: 0RSM1)
Location: 7645 Woodland Drive, Indianapolis, IN 46278, US

Plants:
1. Galentis S.r.l., CAGE: AQ545, Via delle Industrie, 11, 30020 Marcon, Venice, Italy

Manufacturer: Uniglobe Kisco, Inc. (CAGE Code: 1RV89)
Location: 405 Lexington Avenue, Chrysler Building #732, New York, NY 10174, US

Plants:
1. Daisan Kasei Co., Ltd., 50-5 Goi Minami Kaigan, Ichihara-shi, Chiba, 270-0045, Japan