

Date: 10/29/2021

Page: 1 of 3

As MacLean Power Systems (MPS) progresses to completion in early 2022 on our foundry expansion at the Alabaster, Alabama facility it has become necessary to evaluate all current processes and how they will integrate with our new Foundry of the Future. The expansion will centrally locate all Alabama operations under one roof as well as add additional operational, quality, safety, and environmental system improvements to our production processes. As part of this commitment for continuous improvement MPS has a goal to remove all hazardous processes and substances for health, safety, and environmental requirements.



Figure 1 – MacLean Power Systems 168,000 sq. ft. Foundry of the Future Expansion at Alabaster, Alabama

Due to this MPS will suspended in-house painting operations effective December 2021. This change will remove several hazardous materials that are required in the paint application process which is applied to many fiberglass bracket products as a UV protection system.

Phase one of this change effects all 2.5" and 3" diameter fiberglass rod products produced at the Alabama facility. This includes select Fiberglass Brackets (G1X series) and round Deadend Crossarm Assemblies for distribution (GDA series) and transmission (GTA series) applications.

In lieu of paint for these products, silicone coating will become the standard UV protection system applied. Silicone has always been an optional upgrade for these products to enhance product performance.

Silicone coating offers improved UV protection, durability, and contamination performance characteristics. MPS's extruded HTV (high temperature vulcanized) silicone rubber formulation has been lab-tested and field-proven since 1984, is completely bonded to the fiberglass rod during production, won't tear away or fall off over time, eliminates potential voids to prevent moisture ingress, and provides the same insulating protection and hydrophobicity performance as MPS's high voltage transmission insulators.



Figure 2 – MacLean Power Systems Silicone Coated Transmission Insulator Illustrating Hydrophobic Performance

As part of this change there are some changes for catalog numbering and availability.

Catalog numbers shown in Table 1 do not have any changes made to the catalog numbering system but will be converted from painted to silicone coated fiberglass rods.

Current Catalog Number	New Catalog Number
G1XAA121ASCB	G1XAA121ASCB
GDAS42E	GDAS42E
GDAS48E	GDAS48E
GDAS48H	GDAS48H
GDAS48HB4	GDAS48HB4
G1XAA124DE	G1XAA124DE
G1XAA134SH	G1XAA134SH
G1XAA172SH	G1XAA172SH
GDAS60H	GDAS60H
GDAS60HN4	GDAS60HN4

*Note: For catalog numbers not explicitly listed consult MPS for availability.

Table 1 – Cross Reference of Catalog Numbers without Catalog Number Changes

Catalog numbers shown in Table 2 are no longer available with the conversion to silicone coating but do have functional equivalents available.

Current Catalog Number	New Catalog Number
GDAS36HB4	GDAS48HB4
GDAS54H	GDAS60H

*Note: For catalog numbers not explicitly listed consult MPS for availability.

Table 2 – Cross Reference of Catalog Numbers with Catalog Number Changes

Catalog numbers shown in Table 3 are no longer available with the conversion to silicone coating and do not have functional equivalents available.

Current Catalog Number	New Catalog Number
G1XAA130DE	No Cross
G1XAA136DE	No Cross
G1XDA224DE	No Cross
GTA-48-CEB3662	No Cross
GTA-60-CEB3880	No Cross
GTA-72-CEB3662	No Cross
GTA-72-CEB3880	No Cross
GTA72HE	No Cross
GTA-84-XETB	No Cross
GTA-96-CEB3662	No Cross

*Note: For catalog numbers not explicitly listed consult MPS for availability.

Table 3 – Obsolete Catalog Numbers

Existing orders as of this notice are planned to be produced using the painted coating and will phase out to the silicone coating with expected implementation by the end of December 2021. During this implementation period there may be an overlap of both painted and silicone coated products before the painted products are completely phased out.

Please take note and update any standards accordingly.

Please contact your MPS representative for assistance with specification or to obtain additional help as needed.

Michael Valenza | Product Manager
MPS – Alabama Operations
 1909 Highway 87, Alabaster, AL 35007
www.macleanpower.com