

REVISION

A	NM	N Meyer
3/18/2019	ECN-351424	

RELEASE FOR PRODUCTION

FLUROLOY H (RULON H)

FLUROLOY H (RULON H), IS A COMBINATION OF CERAMIC AND PTFE PRIMARILY USED AS A CONNECTOR DIELECTRIC FOR HIGH POWER APPLICATIONS. THE FLUROLOY H MATERIAL HAS A SLIGHTLY HIGHER DIELECTRIC CONSTANT (2.43) THAN TEFLON (2.03) BUT HAS SIGNIFICANTLY BETTER THERMAL CONDUCTIVITY ALLOWING HEAT GENERATED AT A CENTER CONDUCTOR TO BE TRANSFERRED MORE EFFICIENTLY TO THE OUTER CONDUCTOR INCREASING THE POWER HANDLING OF THE CONNECTOR. THE THERMAL CONDUCTIVITY OF FLUROLOY H IS 1.21 W/m C COMPARED TO VIRGIN TEFLON AT 0.24 W/m C. FLUROLOY H IS EASY TO MACHINE, SIMILAR TO VIRGIN OR GLASS FILLED PTFE AND IS AVAILABLE IN ROD, SHEET OR TAPE.

SPECIFICATION NO:

MS-117

DESCRIPTION:

FLUROLOY H (RULON H)

Detail : nickm 02/06/2019

F:\DWG\APPLICAT\NPDOCS\EPMS\Projects\RF\PCI Material & Process Specs\PCI Process Specs

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