



RM-PE1 - UHMWPE (UD)

TECHNICAL DATA SHEET (TDS)

RM-PE1 is an Ultra-High Molecular Weight Polyethylene fiber based Uni-directional composite laminate for many applications. The product consists of layers of unidirectional sheets plied to each other, consolidated with a matrix, then finished with a proprietary sheet cover.

SPECIFICATIONS:

Areal Density	112gsm – 200gsm
Strength of Fiber	No Less than 38g/d
Modulus	At least 1300g/d
strands	Minimum 240
Monofilaments fitness	3.3
Elongation at break	2.8 - 3
Shrinkage	1%
Melting Mass Temperature	145-153°C

Veterans MFG® offers a wide variety of products that utilize RM-PE1 including: Ultralight™ and Hyperlight™ lines of product(s). RM-PE1 has been lab tested in various sizes, formats, mixtures, and applications.

RM-PE1 is potentially subject to jurisdiction of the U.S. Department of Commerce, and is exported using Export Control Classification Number (ECCN) 1C990. Restrictions may therefore apply to the export and re-export of this product.

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