

## Spacer P-M-11 and -13

The High Performance M type spacer is a mono filament which has been developed for better cleanliness and easier handling during the manufacturing process. Two different types of spacers are available, the 11 and 13 type. Spacer with higher area weight are easier to handle during workmanship. All spacers are cleaned.



### HPtexas P-M-11 & -13 Key Characteristics:

- **Type M-11** Mass per area < **14 g/m<sup>2</sup>** (For MLIs with many folding or application in gaps to avoid the risk of contact between the foils.)
- **Type M-13** Mass per area < **7 g/m<sup>2</sup>** (The best compromise between weight, handling and performance.)
- Thickness < **0.3mm**
- Material **Polyester**
- Temperature Range **up to 120°C**
- Mesh width up to **1.2m** (for wider size, pls. contact us)
- Cleanliness class **ISO 8** (for better classes, pls. contact us)
- Outgassing values **TML < 1% , CCV < 0.1%**



Our name is our program:  
HPtexas – High Performance Textiles, ready to play a decisive role in space technologies.

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