## Material Datasheet 40

**KE no.** | MW1  
---|---
**Material** | High Tenacity Polyester fabric  
**Construction** | Heat-set, shrinkage- and porosity-stabilized  
**Weight** | oz/yd² | 8.3 | (%)-/+5  
**Thickness** | mil. | 20 | (%)-/+10  
**Tensile strength warp/weft** | lb/in | 354 / 206 | (%)-/+10  
**Resistance to tearing** | lb | 34 / 29 | (%)-/+10  
**Porosity** | CFM/ft² | at 0.5 inWG | (%)-20/+25  
**Filter class** | G2 (*)  
**Shrinkage in wash** | % | <0.5 (**  
**Fire resistance** | Flame retardant  
**Melting point** | °F | 489  
**Spontaneous ignition temperature** | °F | 946  
**Water absorption (in standard climate)** | % | 0.4  
**Electrostatic resistance** | Ohm/cm | $2 \times 10^{10}$  
**Operating temperature max./min. (peak)** | °F | +140/-49 (peak: 176)  
**Resistance to aging** | Excellent  
**Resistance to vibrations, motion** | Excellent  
**Resistance to solvents** | Excellent  
**Resistance to acids** | Good  
**Resistance to bases** | Medium  
**Resistance to oxidants, light, etc.** | Excellent  

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**Quality grades:** Excellent - Good - Medium - Less good - Not recommended  
*Recomm. KE measurement **Washed and dried according to KE Fibertec instructions  
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