

## Aearo E-A-R Specialty Composites VersaDamp™ V-2525 TPE

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Elastomer, Melt-Processible Rubber

### Material Notes:

VersaDamp TPEs are olefinic dynamic vulcanizates. The VersaDamp 2000 series materials provide predictable damping performance throughout a broad range of temperatures. They can be injection molded into a wide variety of standard or custom isolators, including grommets, equipment mounts, bumpers, and gaskets. They feature high internal damping properties for low amplification at resonance to protect equipment during frequency cycling and random shocks, effective shock protection for sensitive mechanisms within minimum sway parameters, and quick return to equilibrium after vibrations or shocks. Information provided by Aearo E-A-R Specialty Composites.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Aearo-E-A-R-Specialty-Composites-VersaDamp-V-2525-TPE.php](http://www.lookpolymers.com/polymer_Aearo-E-A-R-Specialty-Composites-VersaDamp-V-2525-TPE.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	56	56	5 sec.; ASTM D2240
Tensile Strength at Break	4.90 MPa	710 psi	ASTM D412
Elongation at Break	305 %	305 %	ASTM D412
Tensile Modulus	0.00248 GPa	0.360 ksi	ASTM D412
Compressive Yield Strength	0.140 MPa	20.3 psi	Compressive Load Deflection at 5%; ASTM D575
	0.370 MPa	53.7 psi	Compressive Load Deflection at 10%; ASTM D575
	0.590 MPa	85.6 psi	Compressive Load Deflection at 15%; ASTM D575
	0.850 MPa	123 psi	Compressive Load Deflection at 20%; ASTM D575
	1.21 MPa	175 psi	Compressive Load Deflection at 25%; ASTM D575
Compressive Modulus	0.00430 GPa	0.624 ksi	at 15% Compression; ASTM D575
Resilience	36	36	% Bashore Rebound; 22°C; ASTM D2632
	51	51	% Bashore Rebound; 70°C; ASTM D2632
Tear Strength	21.2 kN/m	121 pli	ASTM D624
Compression Set	8.1 %	8.1 %	24 hour at 20°C; ASTM D395B
	13.4 %	13.4 %	1/2 hour at 20°C; ASTM D395B

Thermal Properties	Metric	English	Comments
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Maximum Service Temperature, Air Thermal Properties	100 °C Metric	212 °F English	Continuous Comments
	125 °C	257 °F	Intermittent
Brittleness Temperature	-66.0 °C	-86.8 °F	ASTM D2137
Glass Transition Temp, Tg	-64.0 °C	-83.2 °F	DMA @ 10 Hz; ASTM D2240
Flammability, UL94	HB	HB	Meets HBF

Descriptive Properties	Value	Comments
Bacterial Resistance	Meets	ASTM G21
Fungal Resistance	Meets	ASTM G22
MVSS 302 Flammability	Passes	
Ozone Resistance	No Cracking	ASTM D1149-91
Relative Peak Transmissibility	13.3 dB	G-411 Grommet; 1.2lb load @ 20°C

## Contact Songhan Plastic Technology Co.,Ltd.

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