

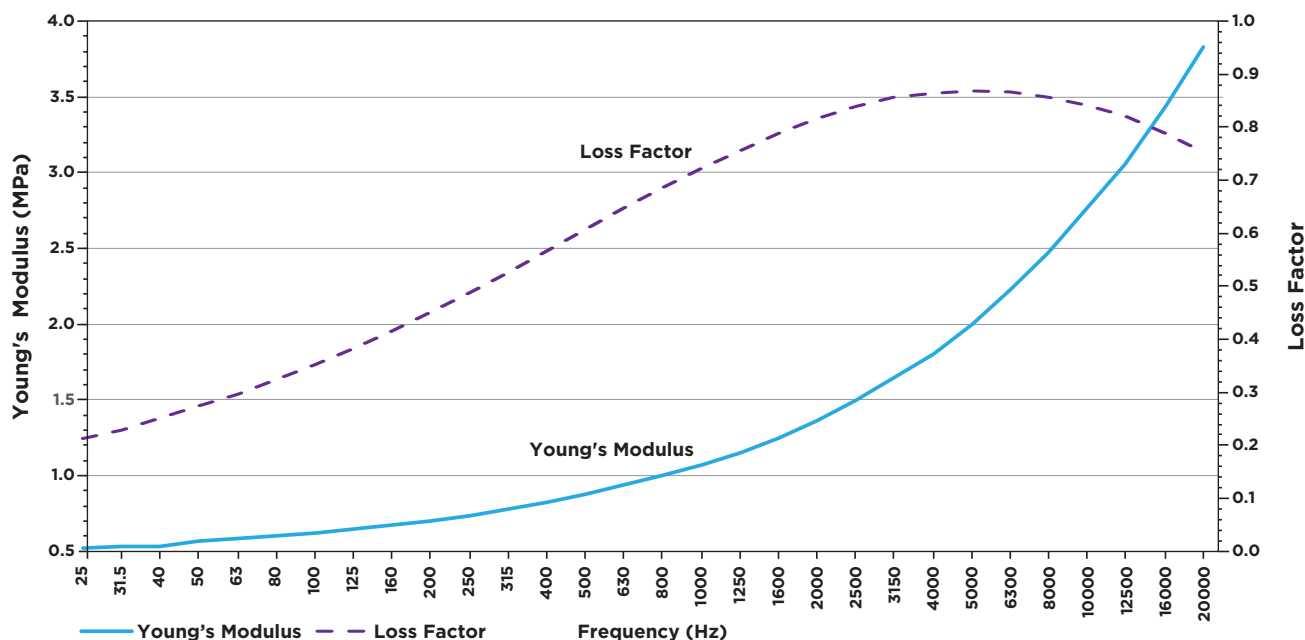
Product Description

E-A-R's QL material is a proprietary low surface weight, high-performing noise control barrier for aircraft applications. This thermoset barrier is specifically engineered for high dimensional stability, flexibility, damping and to comply with FAR 25.856(a) flammability.

**PMA
Material Options
Available**

TYPICAL PROPERTIES	QL-20	QL-40
Material Type	Chloroprene rubber	
Color	Black	
Flammability FAR 25.853(a) Appendix F Part I (a) (1) (ii) 12 sec.	Passes	
FAR 25.856(a) Appendix F Part VI	Passes	
Nominal Thickness, in (mm)	0.024 (0.6)	0.048 (1.2)
Nominal Surface Weight, lb/ft² (kg/m²)	0.2 (1.0)	0.4 (2.0)
Peak Damping Performance at 20°C, 4kHz	0.86	
Tensile Strength, PSI (MPa) ASTM D412	946 (6.5)	1015 (7)
Tear Strength, PPI (kN/m) ASTM D624	114 (20)	121 (21)
Dimensional Stability (% Change) High Temperature, 100 Hrs at 90°C	- 0.5	
Temperature and Humidity Variations, 100 Cycles between -40°C and 70°C (Up to 95% relative humidity)	± 0.1	
RoHS Compliance RoHS 2 DIRECTIVE 2011/65/EU – Annex II, Article 4(l)	MEETS with No Exemptions	
EU REACH Regulation Article 57 SVHC effective June 2020	Passes	

Young's Modulus and Loss Factor at 20°C



Technical Information

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