

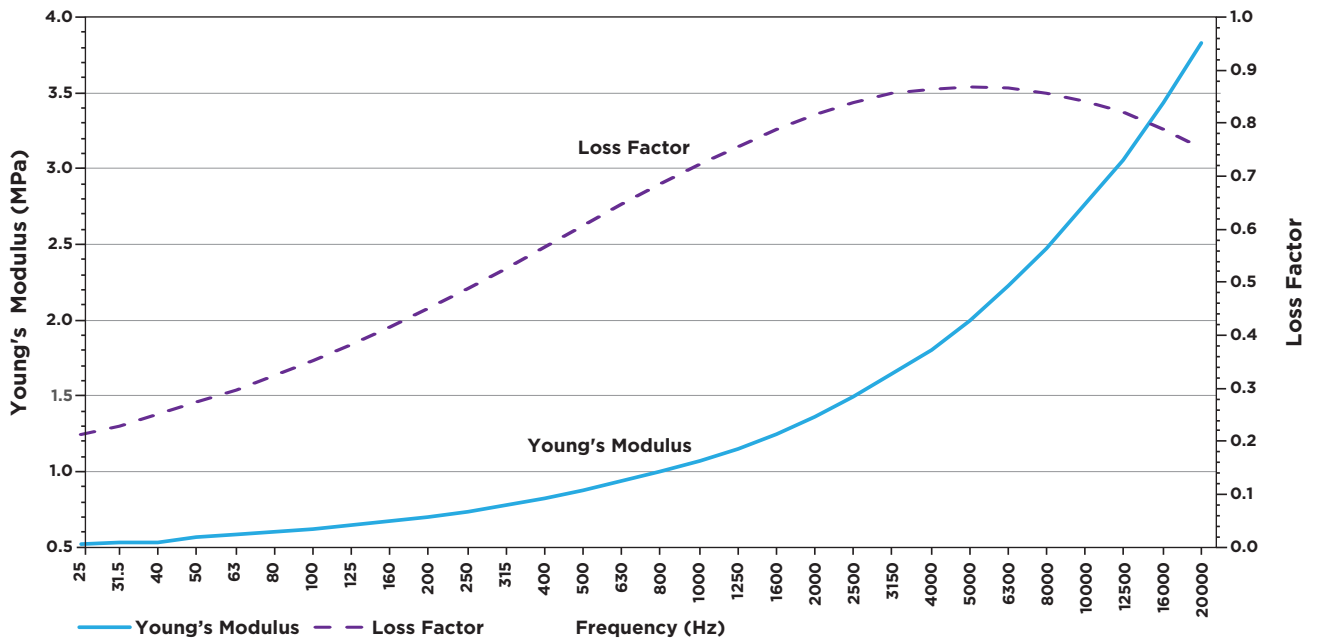
Product Description

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.



| 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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