

ISO/TR 22762-7:2024-07 (E)

Elastomeric seismic-protection isolators - Part 7: Relationship of the ISO 22762 series to the design and testing of seismic isolation systems

Contents		Page
Foreword	.....	iv
Introduction	.....	v
1 Scope	.....	1
2 Normative references	.....	1
3 Terms and definitions	.....	1
4 Symbols	.....	3
5 Structure of ISO 22762 from perspective of relationship with this document	.....	4
6 Application of ISO 22762 to the testing and design requirements of elastomeric isolators given in building codes	.....	5
6.1 General	.....	5
6.2 Correspondence between seismic codes and ISO 22762: Key design terms and definitions	.....	5
6.3 Correspondence between seismic codes and ISO 22762: Testing	.....	6
6.3.1 Qualification tests	.....	6
6.3.2 Prototype tests	.....	6
6.3.3 Production tests	.....	7
6.4 Determination of property modification factors	.....	8
6.5 Differences in property definitions between seismic codes and ISO 22762	.....	9
Annex A (informative) Comparison table of requirements for isolators in ISO 22762-6 and EN 15129	.....	10
Annex B (informative) Examples of test data by ISO 22762 corresponding to typical prototype tests specified in seismic codes	.....	14
Annex C (informative) Examples of test data by ISO 22762 for determination of property modification factors specified in seismic codes	.....	32
Annex D (informative) An example of differences in measured value of properties for HDR due to differences in definition formulae of seismic code (ASCE/SEI 7-22) and ISO 22762	.....	39
Bibliography	.....	40