

ISO 21028-2:2018-03 (E)

Cryogenic vessels - Toughness requirements for materials at cryogenic temperature - Part 2: Temperatures between -80 degrees C and -20 degrees C

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Symbols	2
5	Requirements for steels with specified yield strength 460 N/mm ²	3
5.1	General	3
5.2	Temperature adjustments	4
5.3	Procedure for base material <10 mm thick	4
6	General test requirements	5
6.1	General	5
6.2	Sub-sized specimens	5
6.3	Sub-sized specimens for components from which it is impossible to extract specimens of section size equal to reference thickness	5
7	Welds	6
8	Requirements for aluminium and aluminium alloys, copper and copper alloys and austenitic stainless steels	6
Annex A (informative) Case proposal - Technical justification for temperature adjustment term		19
Annex B (informative) Example of calculation of the lowest temperature authorized during operation		22
Bibliography		23