

ISO 28079:2009-07 (E)

Hardmetals - Palmqvist toughness test

	Contents	Page
Foreword	iv	
Introduction	v	
1 Scope	1	
2 Normative references	1	
3 Symbols and units	1	
4 Test pieces and sample preparation	2	
4.1 Test piece size and sampling	2	
4.2 Surface preparation	2	
4.3 Surface condition	2	
5 Apparatus	3	
5.1 General	3	
5.2 Indentation	3	
5.3 Indentation and crack measurement	3	
6 Procedure and conditions of testing	3	
6.1 Indentations	3	
6.2 Indentation and crack length measurement	3	
6.3 Test validity	5	
7 Analysis	6	
7.1 Vickers hardness	6	
7.2 Toughness	6	
8 Measurement uncertainty	6	
9 Test report	7	
Annex A (informative) Report pro forma -- Palmqvist toughness measurements on hardmetals	8	
Bibliography	10	