

ISO/TS 14909:2012-05 (E)

Fibre ropes for offshore stationkeeping - High modulus polyethylene (HMPE)

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Materials	1
4.1	Rope core material	1
4.2	Rope cover material	1
4.3	Other materials	1
5	Requirements -- Rope properties	2
5.1	Minimum breaking strength	2
5.2	Minimum core tenacity	2
5.3	Creep properties	2
5.4	Particle ingress protection	2
6	Requirements -- Rope layout and construction	3
6.1	General	3
6.2	Type of construction	3
6.3	Rope core	3
6.4	Protective cover	3
6.5	Terminations	4
6.6	Length of rope	4
7	Rope testing	4
7.1	Type testing	4
7.2	Testing of current production	6
8	Report	6
8.1	Prototype rope	6
8.2	Current production	7
9	Certification	7
10	Marking, labelling and packaging	7
10.1	Marking	7
10.2	Labelling	7
10.3	Packaging	7
Annex A (normative)	Fibre qualification and testing	9
Annex B (normative)	Rope testing	12
Annex C (normative)	Creep properties test	21
Annex D (informative)	Guidance for rope handling care	23
Annex E (informative)	Certificate of conformity -- High modulus polyethylene (HMPE) ropes for offshore stationkeeping	37

Annex F (informative) Commentary	38
Bibliography	47