

 GOVERNMENT OF DUBAI	Organization/Unit:	إدارة مختبر دبي المركزي Dubai Central Laboratory Department	الوحدة التنظيمية:	 إمارة دبي Dubai Municipality
	Document Title:	Certification of Polypropylene Pipes as per DIN 8078:2008	عنوان الوثيقة:	
	Doc Ref.	DM-DCLD-RD-DP21-2119 (IC)	رقم الوثيقة :	

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Issue Date	Rev. No.	Summary Of Amendments
10-12-2005	0	First draft for comments
18-04-2006	0	Final draft
23-04-2006	1	Issue for use
16-08-2009	2	Document reference number and format is changed according to the new IMS, statement for the independent testing plan was changed, and the statement for surveillance was referred to RD-DP21-2096 (IC).
24/03/2019	3	Updated format as per new DM template and new DM logo
09/08/2020	4	Add the options for initial audit by the approved CAB and remotely by PCAS. Adding definition for authorized auditor. Update for the new numbering system and followed terminologies. Add provision for accepting valid test reports
26/09/2021	5	Removal of the documents in clause 2.1.2, in addition to further amendment in the provision for accepting valid test reports ( clause 2.4.2.3), in line with DM 30% reduction of requirements (both service and specialized). Modifications in the auditing part for the factories already certified against ISO 9001 to opt for auditing only the areas of production and monitoring stages of product realization, quality control and final product testing and evaluation.
07/10/2022	6	Changing section name as per the new organizational structure, and replace HOU by CQPSM (Section's Manager), also addition of surveillance in the clause 2.4.2.3
27/03/2023	7	Full re-structuring and transfer of common provisions to the general rule. Clauses are re-numbered and document title has been revised accordingly. Revision of clause 5.3. Use of New DM Logo

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## 1. INTRODUCTION

- 1.1 This document prescribes the specific rule for certification of the product(s) as identified herein, in accordance with the requirements of DM Third Party Product Certification Scheme Through Factory Assessment, taking into consideration the applicable normative references and standard specification, in addition to the requirements for conformity evaluation, as stated below.
- 1.2 The applicant/client shall comply with this specific rule, and to all provisions under the “**General Rule for DM Third Party Product Certification Scheme Through Factory Assessment**”**DM-DCLD-RD-DP21-2001 (IC)**.
- 1.3 This specific rule **is an integral part of the general rule** and both shall always be read together.

## 2. SCOPE

- 2.1 This specific rule is applicable to circular-cross-section seamless polypropylene (PP) pipes made from homopolymer polypropylene (PP-H), block copolymer polypropylene (PP-B), random copolymer polypropylene (PP-R) or random copolymer polypropylene with modified crystalline structure and elevated temperature resistance (PP-RCT).
- 2.2 This specific rule does not -by itself- permit the use of the below product in the construction sites. However, it does provide the necessary general conformity assessment criteria, which are required for the evaluation and issuance of the certification and the authorization of the use of the DCLD Conformity Mark. Other relevant requirements issued by the regulatory bodies if any; shall always be fulfilled.

## 3 PRODUCT IDENTIFICATION AND APPLICABLE STANDARD/NORMATIVE REFERENCE

- 3.1 Product name: Polypropylene (PP) Pipes
- 3.2 Applicable standard/Normative reference: DIN 8078:2008 – Polypropylene (PP) pipes – PP-H, PP-B, PP-R, PP-RCT – General quality requirements and testing
- 3.3 Additional reference:  
ISO 9001 Quality Management System – Requirements  
ISO 19011 Guidelines for Auditing Management Systems

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#### 4 DEFINITION OF TERMS

4.1 In addition to the definitions given in ASTM C 168, ASTM C 665 and the General Rule of the scheme [DM-DCLD-RD-DP21-2001 (IC)], the following shall apply:-

4.1.1 Standard Specification –ASTM C 665-17 Standard Specification for Mineral Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing

#### 5 REQUIREMENTS FOR INITIAL CERTIFICATION

5.1 The process of application, initial assessment and product sampling shall be in line with the related provisions in the general rule and the standard specifications.

5.2 The factory shall have a laboratory with the following testing equipment as a minimum:

- Calipers, tape measure and other linear measuring test equipments
- Pressure tester
- Impact tester
- Oven for heat reversion

5.3 Product Evaluation and testing

5.3.1 The product shall meet the requirements under clause 4 once tested in accordance with the Test Methods under clause 5 (mentioned in section 4 of the standard specification) as follows :-

5.3.1.1 Delivery conditions shall meet clause 4.1

5.3.1.2 Surface condition shall meet the requirements of clause 4.2 when tested as per clause 5.1

5.3.1.3 Dimensions and tolerances shall meet the requirements of clause 4.3 when tested as per clause 5.1& 5.2.

5.3.1.4 Out-of- roundness (Ovality) shall be tested and meet the requirements of clause 5.3

5.3.1.5 Long-term hydrostatic strength shall meet the requirements of clause 4.4 when tested as per clause 5.4

5.3.1.6 Impact strength shall meet the requirements of clause 4.5 when tested as per clause 5.5

5.3.1.7 Heat reversion shall meet the requirements of clause 4.6 when tested as per clause 5.6

5.3.1.8 Inspection documents , if so agreed, shall meet the requirements of clause 5.7

5.4 The results of testing must meet the requirements as per the standard specification.

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## 6 GRANTING OF THE DCLD CERTIFICATION

- 6.1 The DCLD product conformity certificate and the authorization to use the DCLD conformity mark shall be granted upon conformance with all related provisions in the general rule.
- 6.2 Fees shall be as per DM-DCLD-RD-DP21-2074 (IC) and other relevant provisions in the general rule.
- 6.3 DCLD-CQPS shall carry out surveillance of certified clients based on the approved periodic plans and related provisions in the general rule.
- 6.4 Appeals, disputes and complaints shall be in line with the relevant provisions in the General Rule.

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