

ISO 13953 TENSILE STRENGTH

Report Number _____ Test Date _____
 Customer _____
 Customer Address _____
 Requested By _____ Purchase Order _____
 Laboratory LMATS Melbourne Laboratory
 Job Description Tensile test on sample butt fused PE
 Identification DN315 pipe
 Nominal Size DN315 SDR 11
 Material HDPE Fusion Procedure Butt fused
 Test Specification ISO 13953 : 2001(R2018)
 Test Method ISO 13953 : 2001(R2018)
 Test Piece Type B, Weld Bead: As welded
 Number of Test Pieces 8 Test Temperature 23 °C ± 1 °C
 Test Personnel _____

Table 1 Tensile Test Results

Test Piece ID	Max Force [kN]	Ultimate Tensile Strength [MPa]	Type of Failure	Observations
Sample 1	15.8	20.5	Parent / Ductile	Complied
Sample 2	17.1	22.4	Parent / Ductile	Complied
Sample 3	16.5	22.7	Parent / Ductile	Complied
Sample 4	17.0	22.6	Parent / Ductile	Complied
Sample 5	16.6	22.0	Weld / Ductile	Complied
Sample 6	15.6	21.8	Weld / Ductile	Complied
Sample 7	15.5	20.3	Parent / Ductile	Complied
Parent	15.6	20.6	Ductile	N/A
Requirements (≥ 85% of Parent UTS + Ductile failure)		≥ 17.5		

Test Results The test results complied with the specification requirements.



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ISO/IEC 17025 – Testing
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