



Certificate of Analysis

Report: Universal Tensile Testing

Report Date: 01/01/2023

Page 1 of 1

Sample Information

Sample Received:

Detailed Request:

Assortment:

Sku No:

Style No:

Factory/Supplier:

Quantity Submitted:

Results

Title

Key Word	Product Name		
Test File Name	ASTM D638 Tensile Test.xtas	Method File Name	Method - Omar Rev2.xmas
Report Date	3/29/2023	Test Date	3/29/2023
Test Mode	Single	Test Type	Tensile
Speed	1mm/min	Shape	Plate
No of Batches:	3	Qty/Batch:	1

Name	Break Force	Break Stroke	Break Disp.	Break Strain
Parameters	Sensitivity: 10	Sensitivity: 10	Sensitivity: 10	Sensitivity: 10
Unit	N	mm	mm	%
Dog Bone 1	733.686	4.85750	4.85750	7.23704
Dog Bone 2	704.901	7.39117	7.39117	11.0102
Dog Bone 3	705.272	5.38550	5.38550	8.02249

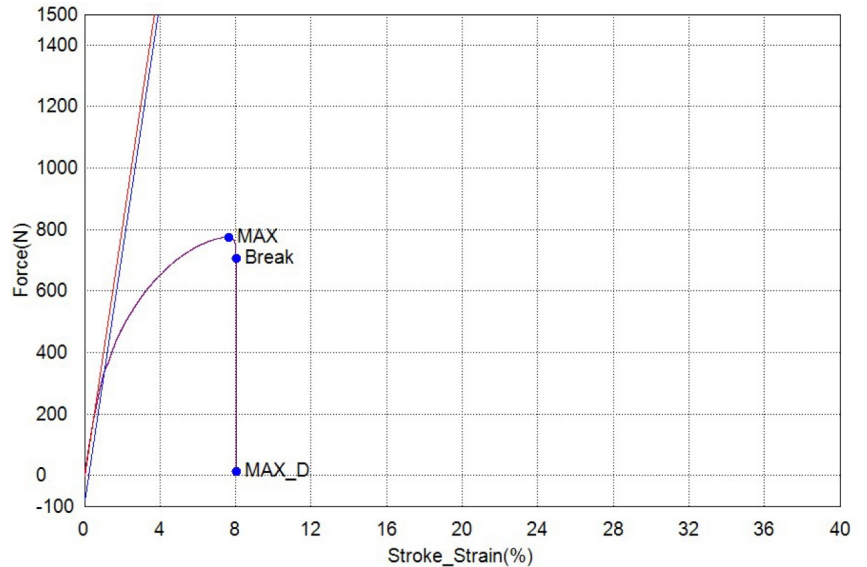
Name	Break Time	Elastic	Slope Standard	YP(%FS)_Force
Parameters	Sensitivity: 10	Force 10 - 20 N	Force 10 - 20 N	0.1 %
Unit	sec	N/mm2	N/mm	N
Dog Bone 1	291.450	979.597	470.980	--
Dog Bone 2	443.470	1115.89	531.722	--
Dog Bone 3	323.130	1271.91	608.607	--

Name	LYP_Force	Max_Force	Max_Stress	Max_Strain
Parameters		Calc. at Entire Areas	Calc. at Entire Areas	Calc. at Entire Areas
Unit	N	N	N/mm2	%
Dog Bone 1	--	790.957	24.5101	6.54028
Dog Bone 2	--	777.618	24.3101	9.53424
Dog Bone 3	--	775.259	24.1351	7.61880

Name	Max_Stroke	Max_Disp.	YP(%FS)_Stress	YP(%FS)_Strain
Parameters	Calc. at Entire Areas	Calc. at Entire Areas	0.1 %	0.1 %
Unit	mm	mm	N/mm2	%
Dog Bone 1	4.38983	4.38983	--	--
Dog Bone 2	6.40033	6.40033	--	--
Dog Bone 3	5.11450	5.11450	--	--

Name	YS1_Force	YS1_Stress	YS1 Strain	Max_Disp_Force
Parameters	0.2 %	0.2 %	0.2 %	
Unit	N	N/mm2	%	N
Dog Bone 1	520.360	16.1249	1.85091	43.6401
Dog Bone 2	366.159	11.4470	1.22747	30.1266
Dog Bone 3	325.861	10.1446	0.99931	13.4198

Name	Break Stress
Parameters	Sensitivity: 10
Unit	N/mm2
Dog Bone 1	22.7354
Dog Bone 2	22.0368
Dog Bone 3	21.9563



Comment

