

Test Report For PP Faux Succulent Strength

Sample Info

Order No#: 2023100906

Dept: Quality Dept.

Project No#: 808-035

Sample Name: PP test piece

Sample Drawing: A300F58BC0200-PP

Sample Type: /

Sample Status: Cut in dumbbell type

Sample QTY: 3pcs

Tested Sample Received Status

Received Date: 2023-10-09

Test Date: 2023-10-11

Test Items: PP Faux Succulent Strength Test

Test Specification: See Following Page

Test Result: Pass

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Approval: Xuan ZHANG Date: 2023-10-12

Statement

1. The test report is only responsible for the test results of the samples.
2. The test report is invalid if it is altered.
3. The test report shall not be copied without the approval of the laboratory.

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1.1、Test Item: PP Faux Succulent Strength Test**1.2、Test Equipment: Tensile Testing Machine**

Device No.	Device Name	Device Mode	Calibration validity period
/	Tensile Testing Machine	/	2026.10.16

1.3、Test Specification

Test Item	Test Specification	Criteria
Tensile Strength(psi)	ASTM D638	≥ 3045 (Internal Spec,for better process control)
Tensile Modulus(psi E6)	ASTM D638	≥ 0.1 (Internal Spec,for better process control)
Tensile Elongation(%)	ASTM D638	≥ 10 (Internal Spec,for better process control)
Flexural Strength(psi)	ASTM D790	≥ 3600 (Internal Spec,for better process control)
Flexural Modulus(psi E6)	ASTM D790	≥ 0.15 (Internal Spec,for better process control)
Specific Gravity(g/cm ³)	ASTM D792	0.9-0.91
ISO Impact-N(KJ/m ²)	ISO 180	≥ 10 (Internal Spec,for better process control)

1.4、Test Result:

1.Tensile Strength Test Result			
Sample No.	Criteria	Test Result	Conclusion
1#	≥ 3045 psi	3098	Pass
2#		3118	Pass
3#		3127	Pass

2.Tensile Modulus Test Result			
Sample No.	Criteria	Test Result	Conclusion

1#	$\geq 0.1E6$	0.15E6	Pass
2#		0.2E6	Pass
3#		0.14E6	Pass

3.Tensile Elongation Test Result

Sample No.	Criteria	Test Result	Conclusion
1#	$\geq 10\%$	14%	Pass
2#		16%	Pass
3#		16%	Pass

4.Flexural Strength Test Result

Sample No.	Criteria	Test Result	Conclusion
1#	$\geq 3600\text{psi}$	4223psi	Pass
2#		4401psi	Pass
3#		5107psi	Pass

5.Flexural Modulus Test Result

Sample No.	Criteria	Test Result	Conclusion
1#	$\geq 0.15E6$	0.19E6	Pass
2#		0.16E6	Pass
3#		0.18E6	Pass

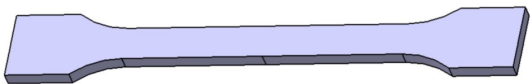



6. Specific Gravity Test Result

Sample No.	Criteria	Test Result	Conclusion
1#	0.9-0.91(g/cm ³)	0.9	Pass
2#		0.9	Pass
3#		0.9	Pass

7. ISO Impact-N Test Result

Sample No.	Criteria	Test Result	Conclusion
1#	$\geq 10(KJ/m^2)$	55.4	Pass
2#		54.6	Pass
3#		47.9	Pass

1.5、 Test Picture

Test Piece CAD Mode 1#	Test Piece Real Part 2#
	
Test Device 3#	Test Device 4#
	

*****End Of Report*****