

TEST REPORT

No.: 64.660.16.036.03
Date: 2016-04-18
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China

Choose certainty.
Add value.

Applicant : Guangzhou Ning E-Plastics company
Address : Rm.136,Lin he zhong Rd.TianHe,GZ,China
Sample Name : ABS Specimens
Material : ABS material
Sample Information : See second page
Date of Receipt : 2016-02-26
Test Period : 2016-02-26 ~ 2016-04-11
Test Performed : Selected test(s) as requested by applicant
Test Results : Please refer to the following page(s)

This report consists of 4 Pages.
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The test report is effective only with both TÜV SÜD signature and specialized stamp.

The test results refer exclusively to the specimen(s) under test.

***** For further details, please refer to the following page(s) *****

Sign for and on behalf of
TUV SUD Certification and Testing (China) Co., Ltd.
Guangzhou Branch

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Project Engineer



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Test Information:

Test conditions : 23±2℃, 50±5%RH
Sample description : Beige plastic specimens

Specimens No.	test items	Test standard
3# (ABS Specimen)	Tensile strength	ASTM D638-10
	Elongation at break	
	Flexural strength	ASTM D790-10 Method A
	Flexural Modulus	
	Charpy notched impact strength (23℃)	ASTM D6110-10

❖ Tensile Test

Test standard : ASTM D638-10
Acceptance standard : /
Test instruments : MTS 5305
Specimen Type : Type I
Specimen dimension : Thickness,3.17mm
Test speed : 50mm/min
Guage Length : 50mm
Test result : See below table

Sample No.	Test items	Test result	Acceptance	Conclusion
3# (ABS Specimen)	Tensile Strength (MPa)	34.8	/	/
	Elongation at break (%)	21.5	/	/

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❖ Flexural properties test

Test standard : ASTM D790-10
Acceptance standard : /
Test instruments : MTS 5305
Specimen dimension : 127×12.6×3.17mm
Test speed : 1.3mm/min
Span : 51mm
Test result : See below table

Sample No.	Test items	Test result	Acceptance	Conclusion
3# (ABS specimen)	Flexural strength (MPa)	57.0	/	/
	Flexural modulus(Mpa)	2253	/	/

❖ impact strength

Test standard : ASTM D6110-10
Acceptance standard : /
Test instruments : MTSH-14
The capacity of pendulum : 2J
Specimen dimension : Width, 3.15mm
Test speed : 3.46m/s
Span : 101.6mm
Test result : See below table

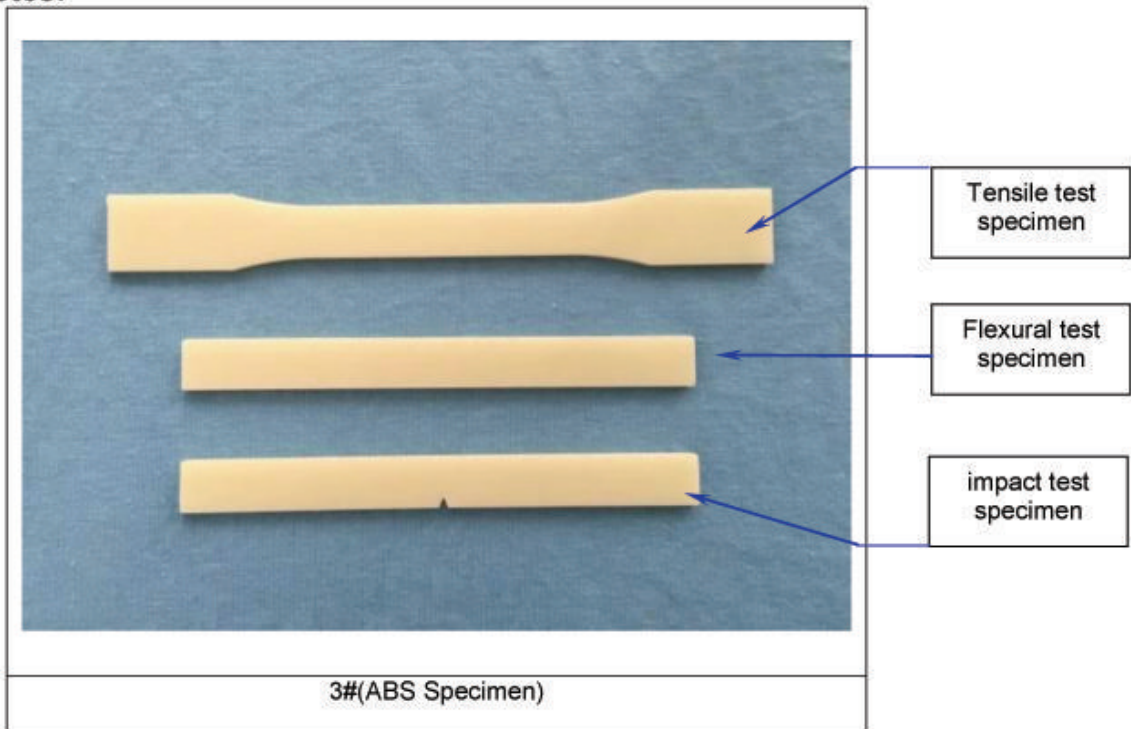
Sample No.	Test items	Test result	Acceptance	Remark
3# (ABS Specimen)	Impact strength (J/m)	124	/	complete break

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Photos:



END OF REPORT