



TEST REPORT

98, Gyoyukwon-ro, Gwacheon-si, Gyeonggi-do, 13810, Korea

TEL 82-2-2164-0011

FAX 82-2-2634-1008

Report No : TAK-2026-014175

Receipt Date : 2026.01.22.

Representative : Young-jun Lee and 1 other

Test Completion Date : 2026.02.13.

Company name : LOTTE CHEMICAL Corp.

Address : 56, Gosan-ro, Uiwang-si, Gyeonggi-do, Korea.

Sample name : Staron

Test Results

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
Specific Gravity((23/23) °C)(Method A)	-	-	1.78	ASTM D792-20
Water Absorption(24 h Immersion)	%	-	0.03	ASTM D570-22
Barcol Hardness	-	-	66	Clinet Provided Test Method(ASTM D2583-13a)
Rockwell Hardness(HRM)(Procedure A)	-	-	90	ASTM D785-23
IZOD Pendulum Impact Resistance(Method A)	J/m	-	19	ASTM D256-23e1
Tensile Strength(**)	MPa	-	41.0	ASTM D638-22
Flexural Strength(***)	MPa	-	64.8	ASTM D790-17
Flexural Modulus of Elasticity(***)	GPa	-	10.8	ASTM D790-17
Thermal Expansion	1/°C	-	3.7×10^{-5}	applied KS M 3015:2003
Temperature Under Flexural Load(Method B, 1.82 MPa)	°C	-	108	ASTM D648-18
Appearance(Crack) after Heat Resistance[(170 ± 2) °C × 1 h]	-	-	No Defects	Client Provided Test Method
Appearance after Hot Water Resistance(****)	-	-	No Defects	Client Provided Test Method
Dropping Impact Test(****)	-	-	No Defects	Clinet Provided Test Method

- Next Page -

HEOYEONGJAE

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2026.02.13

Korea Testing & Research Institute

President



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** Specimen: Type III, Speed of Testing: 5 mm/min

*** Support Span: 188mm, Speed of Testing: 5.02 mm/min

**** Drop Height: 2 m, Drop Weight: 112 g (Steel Ball), Test Surface: Concrete, Appearance: Crack or Not

***** Crack or non-crack after poured boiling water on the surface of the test specimen

- Usage of Report : QUALITY CONTROL

- End of Report -

- Note : 1. The test results of this test report are only limited in to the samples and sample names provided by the client and do not guarantee the quality of all products of the client. You Can check website (www.ktr.or.kr) or QR code to verify the authenticity of the certificate.
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