



TEST REPORT

1. NO : CT18-106935

2. Client

○ Name : Dow Chemical Silicones Korea Ltd.

○ Address : 16th Fl, Trade Tower, 511, Youngdongdaero, Gangnam-gu, Seoul 06164, Korea

3. Date of Test : 2018.10.10 ~ 2019.03.20

4. Use of Report : Quality Control

5. Test Sample : DOWSIL™ 991

6. Test Method

(1) ASTM C 920-14a

Reissuance(R1)

Date : 2019.03.20

Affirmation	Tested By Name : HONG SUNG ROG	Technical Manager Name : Shin, Hong Chul
Our report apply only to the standards or procedures identified and to the sample(s) tested unless otherwise specified. The test results are not indicative of representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products. The authenticity of this test report can be checked on KCL website(www.kcl.re.kr).		

2019.03.20

Korea Conformity Laboratories President Yoon, Kap Seok *Yoon, Kap Seok*

Address : 28115 73, Yangcheong 3-gil, Ochang-eup, Cheongwon-Gu, Cheongju-Si, Chungbuk, Korea 82-43-718-9005

Result Inquiry : Construction Materials Testing Center 82-43-210-8948



TEST REPORT

No : CT18-106935

7. Test Results

1) DOWSIL™ 991

Test Item(s)	Unit	Test Method	Test Results	Remark
Rheological Properties	-	(1)	Pass	(23±2) °C, (50±5)% R.H.
Extrusion Rate	mL/min	(1)	116	(23±2) °C, (50±5)% R.H.
Hardness(Durometer, Type A)	-	(1)	26	(23±2) °C, (50±5)% R.H.
Effects of Heat Aging - Appearance	-	(1)	Pass	(23±2) °C, (50±5)% R.H.
Effects of Heat Aging - Weight change	%	(1)	3.7	(23±2) °C, (50±5)% R.H.
Tack-Free Time	min	(1)	20	(23±2) °C, (50±5)% R.H.
Stain and Color Change	-	(1)	Pass	(23±2) °C, (50±5)% R.H.
ASTM C 719 Adhesion and Cohesion Under Cyclic Movement(Substrates-Aluminum)	-	(1)	Pass	(23±2) °C, (50±5)% R.H.
ASTM C 719 Adhesion and Cohesion Under Cyclic Movement(Substrates-Float glass)	-	(1)	Pass	(23±2) °C, (50±5)% R.H.
Adhesion-in-Peel	N	(1)	68.8	(23±2) °C, (50±5)% R.H.
Adhesion-in-Peel After Ultraviolet Exposure Through	N	(1)	60.7	(23±2) °C, (50±5)% R.H.
Effects of Accelerated Weathering(Xenon arc 250 h)Xenon arc test(Cracking)	-	(1)	Pass	(23±2) °C, (50±5)% R.H.
Effects of Accelerated Weathering(Xenon arc 250 h)Cold temperature test(-26±2) °C(Bend test-Cracking)	-	(1)	Pass	(23±2) °C, (50±5)% R.H.

---- End of Report ----

