Shear Modulus Test Report

Report No.: 20250420001

Test Item: Shear Modulus of SGP Test

Standard: GB/T 32061-2015

《Test method for shear modulus of interlayer materials for laminated glass》

Sample No.	Temperature	3s	60s	1h	1d	30d	1y	10y
AG20250305A	T=-20°C	280.8	272.8	261.3	251.4	240.7	231.4	225.1
AG20250305A	T=-10°C	278	268.4	256	246.7	233.9	224.2	213.9
AG20250305A	T=0°C	266.4	257.3	244.4	233.6	219.7	204	175.8
AG20250305A	T=10°C	253.9	244.3	230	215.6	186	139.3	98.3
AG20250305A	T=20°C	238.7	227.6	206	164.3	97.6	50.9	26.5
AG20250305A	T=30°C	213.2	185.7	109.5	50.9	21.3	10.1	3.5
AG20250305A	T=40°C	110.7	50.2	20.7	7.7	3.5	2.1	1.1
AG20250305A	T=50°C	18.5	7.6	3	2	-	-	-
AG20250305A	T=60°C	7.5	4	2.1	-	-	-	-
AG20250305A	T=70°C	2	1.1	-	-	-	-	-
AG20250305A	T=80°C	0.7						

Remarks: 1. Test location: Internal testing;

2. Sample name: SGP ionoplast interlayer;

3. Main instruments and equipment: Dynamic Mechanical Analyzer, Digital Vernier Caliper, High-precision Digital Outside Micrometer;
4. Sample dimensions: 0.76mm × 7mm × 30mm;
5. Sample storage conditions: Temperature 24°C; Relative humidity 24%HR; Storage time: 40H;
6. Requirement: Measure the shear modulus of the sample at different load durations from -20°C to 70°C and calculate the average values; standard deviation not required.

Test Department: Technical Quality Department

April 20, 2025