



CRP TECHNOLOGY S.r.l.

## Outgassing test reports

### Windform XT 2.0

Material was tested in accordance to the ASTM E-595-07 standard and is considered passing.

Bar Position-CVCM Test Number	33739 (16)	33740 (17)	33741 (18)
Initial mass, holder and specimen, gm	0.276450	0.291404	0.295900
Mass of holder, gm	0.033627	0.033020	0.032467
Initial specimen mass @ 50 %RH, gm	0.242823	0.258384	0.263433
Final mass, holder & specimen, gm	0.275185	0.290042	0.294496
Total mass loss, specimen, gm	0.001265	0.001362	0.001404
Percent TML, specimen	0.52%	0.53%	0.53%
Average value TML	*****	0.53%	*****
Mass after 50 %RH re-soak, 23 C, 24hr, gm	0.275742	0.290584	0.295076
Total mass, water vapor regain, gm	0.000557	0.000542	0.000580
Percent water vapor regain	0.23%	0.21%	0.22%
Average value WVR @ 50 %RH	*****	0.22%	*****
Initial mass, collector, gm	1.753789	2.381346	1.757513
Final mass, collector, gm	1.753794	2.381354	1.757516
Collected mass – CVCM, gm	0.000005	0.000008	0.000003
Percent CVCM	0.00%	0.00%	0.00%
Average Value CVCM	*****	0.00%	*****

Remarks: CVCM (unweighable) on separator plate to \_\_\_\_\_ mm diameter. CVCM appearance as follows: \_\_\_\_\_ is not detectable on collector plates.

thin;  heavy;  blue color;  transparent; \_\_\_\_\_ colored liquid;  
 opaque;  matte;  interference fringes;  foggy;  distorts eye reflection;  smooth;  smoky;  splotchy;  partially opaque;  
 clear liquid;  liquid runs in excess; Deposit covers **30** % of collector disc.

Specimen appearance after test:

**No Visible Change**

Period **24** Hrs. Pressure **2.4X10<sup>-5</sup>** Torr Specimen Temp. **124.5** °C Collector Temp. **24.6** °C

---

CRP TECHNOLOGY S.r.l.

Sede Legale e Amministrativa/Headquarters and Administration Office

Via Cesare Della Chiesa 150/C - 41126 Modena

Tel./Phone +39-059-330544/821135/826025

Fax +39-059-822071/381148

C.F./ P.IVA/Registro Imprese Modena IT03344960368 (VAT number)

Capitale sociale Euro 80.000 i.v.



CRP TECHNOLOGY S.r.l.

**Outgassing test reports**

**Windform LX 2.0**

**Material was tested in accordance to the ASTM E-595-07 standard and is considered passing**

Bar Position-CVCM Test Number	<b>33814 (19)</b>	<b>33815 (20)</b>	<b>33816 (21)</b>
Initial mass, holder and specimen, gm	0.285213	0.306794	0.309071
Mass of holder, gm	0.031038	0.033079	0.031996
Initial specimen mass @ <u>50</u> %RH, gm	0.254175	0.273715	0.277075
Final mass, holder & specimen, gm	0.284149	0.305635	0.307894
Total mass loss, specimen, gm	0.001064	0.001159	0.001177
Percent TML, specimen	0.42%	0.42%	0.42%
<b>Average value TML</b>	*****	<b>0.42%</b>	*****
Mass after <u>50</u> %RH re-soak, 23 C, 24hr, gm	0.284564	0.306090	0.308322
Total mass, water vapor regain, gm	0.000415	0.000455	0.000428
Percent water vapor regain	0.16%	0.17%	0.15%
<b>Average value WVR @ <u>50</u>%RH</b>	*****	<b>0.16%</b>	*****
Initial mass, collector, gm	1.761893	1.772230	1.777281
Final mass, collector, gm	1.761906	1.772235	1.777295
Collected mass – CVCM, gm	0.000013	0.000005	0.000014
Percent CVCM	0.01%	0.00%	0.01%
<b>Average Value CVCM</b>	*****	<b>0.00%</b>	*****

Specimen appearance after test:

**No Visible Change**

Period **24** Hrs. Pressure  **$2.1 \times 10^{-5}$**  Torr Specimen Temp. **124.7** °C Collector Temp. **24.6** °C

---

**CRP TECHNOLOGY S.r.l.**

**Sede Legale e Amministrativa/Headquarters and Administration Office**

Via Cesare Della Chiesa 150/C - 41126 Modena

Tel./Phone +39-059-330544/821135/826025

Fax +39-059-822071/381148

C.F./ P.IVA/Registro Imprese Modena IT03344960368 (VAT number)

Capitale sociale Euro 80.000 i.v.



CRP TECHNOLOGY S.r.l.

**Outgassing test reports**

**Windform SP**

**Material was tested in accordance to the ASTM E-595-07 standard and is considered passing.**

Bar Position-CVCM Test Number	<b>33736 (13)</b>	<b>33737 (14)</b>	<b>33738 (15)</b>
Initial mass, holder and specimen, gm	0.272586	0.261671	0.286019
Mass of holder, gm	0.032485	0.032075	0.032137
Initial specimen mass @ <u>50</u> %RH, gm	0.240101	0.229596	0.253882
Final mass, holder & specimen, gm	0.271382	0.260516	0.284736
Total mass loss, specimen, gm	0.001204	0.001155	0.001283
Percent TML, specimen	0.50%	0.50%	0.51%
<b>Average value TML</b>	*****	<b>0.50%</b>	*****
Mass after <u>50</u> %RH re-soak, 23 C, 24hr, gm	0.271751	0.260861	0.285137
Total mass, water vapor regain, gm	0.000369	0.000345	0.000401
Percent water vapor regain	0.15%	0.15%	0.16%
<b>Average value WVR @ <u>50</u>%RH</b>	*****	<b>0.15%</b>	*****
Initial mass, collector, gm	1.252325	1.752718	1.751972
Final mass, collector, gm	1.252501	1.752853	1.752121
Collected mass – CVCM, gm	0.000176	0.000135	0.000149
Percent CVCM	0.07%	0.06%	0.06%
<b>Average Value CVCM</b>	*****	<b>0.06%</b>	*****

Remarks: CVCM (unweighable) on separator plate to \_\_\_\_\_ mm diameter. CVCM appearance as follows: \_\_\_\_\_ is not detectable on collector plates.

- thin;  heavy;  **rainbow** color;  transparent; \_\_\_\_\_ colored liquid;  
 opaque;  matte;  interference fringes;  foggy;  distorts eye reflection;  smooth;  smoky;  splotchy;  partially opaque;  
 clear liquid;  liquid runs in excess; Deposit covers **90** % of collector disc.

Specimen appearance after test:

**No Visible Change**

Period **24** Hrs. Pressure **2.4X10<sup>-5</sup>** Torr Specimen Temp. **124.5** °C Collector Temp. **24.6** °C

---

**CRP TECHNOLOGY S.r.l.**

**Sede Legale e Amministrativa/Headquarters and Administration Office**

Via Cesare Della Chiesa 150/C - 41126 Modena

Tel./Phone +39-059-330544/821135/826025

Fax +39-059-822071/381148

C.F./ P.IVA/Registro Imprese Modena IT03344960368 (VAT number)

Capitale sociale Euro 80.000 i.v.



CRP TECHNOLOGY S.r.l.

**Outgassing test reports**

**Windform GT**

**Material was tested in accordance to the ASTM E-595-07 standard and is considered passing.**

Bar Position-CVCM Test Number	33757 (10)	33758 (11)	33759 (12)
Initial mass, holder and specimen, gm	0.276987	0.296146	0.297567
Mass of holder, gm	0.030798	0.031741	0.032977
Initial specimen mass @ 50 %RH, gm	0.246189	0.264405	0.264590
Final mass, holder & specimen, gm	0.275625	0.294587	0.296069
Total mass loss, specimen, gm	0.001362	0.001559	0.001498
Percent TML, specimen	0.55%	0.59%	0.57%
<b>Average value TML</b>	*****	<b>0.57%</b>	*****
Mass after 50 %RH re-soak, 23 C, 24hr, gm	0.275978	0.295113	0.296561
Total mass, water vapor regain, gm	0.000353	0.000526	0.000492
Percent water vapor regain	0.14%	0.20%	0.19%
<b>Average value WVR @ 50 %RH</b>	*****	<b>0.18%</b>	*****
Initial mass, collector, gm	1.740884	1.741233	1.733999
Final mass, collector, gm	1.740925	1.741289	1.734032
Collected mass – CVCM, gm	0.000041	0.000056	0.000033
Percent CVCM	0.02%	0.02%	0.01%
<b>Average Value CVCM</b>	*****	<b>0.02%</b>	*****

Remarks: CVCM (unweighable) on separator plate to \_\_\_\_\_ mm diameter. CVCM appearance as follows:  is not detectable on collector plates.

- thin;  moderate;  heavy;  bluish color;  transparent; \_\_\_\_\_ colored liquid;  
 opaque;  matte;  interference fringes;  foggy;  distorts eye reflection;  smooth;  smoky;  splotchy;  partially opaque;  
 clear liquid;  liquid runs in excess; Deposit covers **50**  
 % of collector disc.

Specimen appearance after test:

**No Visible Change**

Period **24** Hrs. Pressure **1.3X10<sup>-5</sup>** Torr Specimen Temp. **124.7** °C Collector Temp. **24.6** °C

**CRP TECHNOLOGY S.r.l.**

**Sede Legale e Amministrativa/Headquarters and Administration Office**

Via Cesare Della Chiesa 150/C - 41126 Modena

Tel./Phone +39-059-330544/821135/826025

Fax +39-059-822071/381148

C.F./ P.IVA/Registro Imprese Modena IT03344960368 (VAT number)

Capitale sociale Euro 80.000 i.v.