
Subject: Brandenburger Visit Report on June 5, 2012 June 5, 2012 9:58:55 PM
To: Abdel.Boutrid@buergofol.de
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Priority: Normal
Attachments: 1

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attached.

Mr. Boutrid, I have the samples in my car. Please let us discuss the details soon, which I can't present as well in the report.

Best regards,
Dr. Kurt Stark
Director of Business Development

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Possible solutions discussed: - Introduce a PE “protective layer”; 5-layer - Make the film thicker, i.e. 50/100 (= limit) - Run test series on the influence of water. Drying (thermal or chemical), cold storage, etc. - Then inflation tests carried out by us - New tube films introduced by Dr. Boutrid. Brandenburger wants samples in DN 300, 432 mm wide, quantity 100 running meters I brought 2 samples of the “complaint” films for the laboratory, which exhibit pronounced stripes. Brandenburger trusts that we will solve the problem soon. They are very happy with us and don’t want any other manufacturers unless the problem is not resolved, in which case they will have to “look around”. ACTION: Examination by QM, Dr. Boutrid. Find solutions! Provide samples to customers. AB/KS	PE-PA-PE? 150 µ? Test influence of water? Inflation tests? Sample	
2. NEW: sliding film, HDPE, 500 µ (up to 800 µ) Here, I said that we are now also producing this film in IN, in accordance with my previous experience. They would like to test our products soon = purchase variant Metzeler Metzo Plast HDPE/T (via GS) as well as our blocked blown films. [REDACTED] Important parameters: - Mechanics (elongation/recovery behavior) - Coefficient of sliding friction relative to liner - No wrinkling - Maximum width 1500 mm. Most of it, however, is < 1100 mm (ratio?) ACTIONS: • Provide samples of 2-3 variants • For DN 300 = width 500 mm • 100 running meters of each	AB/KS/GS 2-3 samples Test COF	ASAP
3. Outer film We have lost business. Allegedly, our outer film was not sufficiently UV-proof (stripes). Complaints processing was also supposedly slow. The fact is, however, that the outer film that Brandenburger is now already receiving is laminated with fleece, which is a major advantage. I have received samples for analysis! The supplier for this is LANTOR. I said that based on the history, LANTOR is not a partner for BF as a matter of course, only if it has to be. [REDACTED]	AB/KS/GS Analyze samples Find fleece partner	07 – 12/2012

Created on June 5, 2012

ACTION: We need to find an alternative outer film/fleece product.	Opposition to Lantor patent?	
4. Inner film with fleece I have received samples! Can be sealed to the tube. - Objective: The inner film should remain in place for >50 years. - Resistant to abrasion, rinsing, and chemicals - Sealing seam must be 100% tight - Fleece must not melt! - PE-PA-PE (fleece) or PE/PA (fleece) - When sealing occurs inside-against-outside (overlapping) - PE fleece? Polyester? - According to Brandenburger, PA is more difficult to conceal - Adhesive not favored (as fleece is then unable to absorb as much resin) - Better thermal lamination Here I referred to our extensive experience in the LM sector with regard to thermal lamination. ACTIONS: • Start project, find solution	AB/KS/GS Analysis	07 – 12/2012
5. NEW: black “resin protection film” Requirement approx. 75,000 m²/a; protection for prepreg rolls. Formats in width 1200 mm x 1200 mm or 1200 mm x 1300 mm Glued. Currently, Colamin film made by Obermühle. We want less expensive film, and not so stiff. Analyze → thickness and structure I have received samples ACTIONS: • Readjust the film	AB/KS Format cutter? Analysis	07 – 12/2012
6. Other Metal-coated conductive film. A request from Mr. Zügel. Strips, width 3-4 cm, approximately 1 cm metal layer at the edges (no aluminum, no copper; better Ni) ACTION: Specialized product. KS asks why the entire strip can't be metallized.	KS	As needed
7. Next meeting: Brandenburger also wants more frequent visits from us. Next meeting no later than September 2012.		

Created on June 5, 2012

Certification of Accuracy

I, David Clayberg, pursuant to 28 U.S.C. §1746, hereby declare under penalty of perjury that the following is true and correct.

1. I am fluent in both English and German
2. I am a professional translator of German into English
3. The attached English translation of the following document is to the best of my knowledge and belief, true, correct and complete translation of the source document:
 - EX2038 - 6-5-2012 customer visit report 4924-7133-2364.docx
4. I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct. I understand that willful false statements and the like are punishable by fine or imprisonment, or both (18 U.S.C. §1001).

Executed on this day, January 13, 2025



David Clayberg

Subject: Besuchsbericht Brandenburger vom 05.06.2012 6/5/2012 9:58:55 PM
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anbei.

Herr Boutrid, die Muster habe ich im Auto. Bitte lassen Sie uns bald die Details besprechen, die ich im Bericht evtl. nicht so darstellen kann.

Mit freundlichen Grüßen
Dr. Kurt Stark
Director Business Development

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Omega Liner Company, Inc. v. Buerqofol GmbH

AKTION: Wir müssen Produktalternative Außenfolie/Vlies finden.	Einspruch Lantor-Patent?	
4. Innenfolie mit Vlies Muster habe ich bekommen! Kann zum Schlauch versiegelt werden. - Ziel: Innenfolie soll dauerhaft > 50 Jahre drin bleiben. - Abriebs-, Spül-, Chemikalienbeständig - Siegelnaht muss 100 % dicht sein - Vlies darf nicht schmelzen! - PE-PA-PE (Vlies) oder PE/PA (Vlies) - Beim Siegeln kommt innen gegen außen (überlappend) - PE-Vlies? Polyester? - PA ist lt. Brandenburger schwerer zu kaschieren - Kleber nicht favorisiert (da Vlies dann weniger Harz saugen kann) - Besser Thermokaschierung Hier verwies ich auf unsere umfangreichen Erfahrungen aus der LM-Branche bzgl. Thermokaschierung. AKTIONEN: • Projekt starten, Lösung finden	AB/KS/GS Analyse	07 - 12/2012
5. NEU: schwarze „Harzschutzfolie“ Bedarf ca. 75.000 qm/a; Schutz für Prepreg-Rollen. Formate in Breite 1200 mm x 1200 mm oder 1200 mm x 1300 mm Wird geklebt. Derzeit Colamin-Folie von Obermühle. Man möchte billigere Folie, und nicht so steif. Dicke und Struktur → analysieren Muster habe ich bekommen AKTIONEN: • Folie nachstellen	AB/KS Formatschneider ? Analyse	07 – 12/2012
6. Sonstiges Metall-beschichtete Leitfähige Folie. Ein Wunsch von Hr. Zügel. Streifen, Breite 3-4 cm, An den Rändern ca. 1 cm Metallschicht (kein Alu, kein Cu; besser Ni) AKTION: Spezialität. KS fragt nach, warum nicht gleich der ganze Streifen metallisiert sein darf.	KS	Bei Bedarf
7. Nächster Termin: Brandenburger wünscht sich auch höhere Besuchsfrequenz unsererseits. Nächster Termin spätestens September 2012.		