



Boulay, the Thursday 13<sup>th</sup> December 2012

## **SUPPLIER ENGAGEMENT DECLARATION REGARDING THE UV-RESISTANCE**

- *Products concerned:* Cable Glands SIB TEC Plastics
- *Material used:* PA6 V2 - RAL9005 – reference SIB : A9380003
- *Test Standards:* - UV irradiation Xenontest ISO 4892-2  
- Impact Charpy DIN EN ISO 179-1 :2010-11
- *Process:* In accordance with ISO 4892-2, the material PA6 V2 - RAL9005 was exposed to a radiant power of 1.1W at 420nm during 1000 h. Samples were then subjected to an impact test in accordance with ISO 179-1.
- *Evaluation criteria:* According to standard NF EN 60079-0, the impact strength, in the case of an impact on the exposed surface, should be at least 50% of the value measured on the unexposed samples.
- *Test results:*  
PA6 V2 9005 without irradiation: 48.29 KJ/m<sup>2</sup>  
PA6 V2 9005 after irradiation: 46.18 KJ/m<sup>2</sup>
- *Consequence:*  
After irradiation, we note a decrease of 5% of the impact strength, which place us in the tolerance of the standard NF EN 60079-0.  
Therefore, we declare ours cable glands SIB TEC Plastics in PA6 V2- RAL9005 resistant to UV

We remain at your disposal for further information and please accept, dear Customer, yours sincerely.

By **UREK josua**,  
Engineering and R&D Department Manager