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N. 485/09-i

Foglio 1 di 2
Sheet ofData 18/09/2012
DateCustomer: **SAB S.p.A.**
Via Salvo d'Acquisto, 9 - Zona Ind.le
61048 S.Angelo in Vado (PU)**Re: DETERMINATION OF THE CHARACTERISTICS OF CHEMICAL AND ABRASION RESISTANCE OF A PLASTIC MATERIAL ARTEFACT.****1.0 PREMISE**

1.1 The customer delivered to the Laboratory n°1 series of samples of a plastic artefact (channel), mechanically cut in the form of plates of approximate size 200x200mm. The parts were sampled and marked by the Customer as: SABDRAIN 200X300X1000 in black polypropylene.

2.0 TESTS REQUESTED AND CARRIED OUT

- 2.1 Determination of the resistance to attack by chemical substances in analogy with standard ISO/TR 10358, with a 48h cycle at 23°C – evaluation criterion: weight loss.
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- 2.2 Determination of the resistance to abrasion with Tabert method in conformity with standard ISO 5470-1.

3.0 RESULTS OBTAINED3.1 Resistance to chemical attack

Conditions:

Total cycle 48h

Test chamber temperature: 23°C±1

Solutions: 1) sodium hydroxide (NaOH) concentration 1N

2) hydrochloric acid (HCl) concentration 1N

3) commercial petrol 95 Octane

4) commercial Diesel 58 Octane

5) engine oil 10w40

6) sodium chloride 10%

Sample	Solution 1	Solution 2	Solution 3	Solution 4	Solution 5	Solution 6
SABDRAIN	< 0.1	< 0.1	1 ÷ 1.4	0.8	< 0.1	< 0.1

Weight losses as percentages (%)

Test results refer only to the material tested. Partial reproduction of this document without our written approval is forbidden.
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