

## COMPLIANCE LETTER ISO 3795 BURNING RATE



### PRODUCT(S) :

**HYLON- RAVAMID**

**SICOFLEX- RESINEX ABS**

**SICOKLAR-TRISTAR-RESINEX PC**

**MABLEX- RESINEX PC/ABS**

**VERPLEN-MAFILL-SCOLEFIN**

**SICOBLEND**

**SICOSTIROLO**

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### To whom it may concern

This is a horizontal burning test, based on the test method and conditions of **ISO 3795**.

Different automotive OEM's standards refer to ISO3795 method.

The test requires 5 specimens measuring 356 x 100 mm at the thickness in use. Each specimen is mounted in the test in a horizontal position and a small flame (9 mm diameter) from a Bunsen burner is applied for 15 seconds. The time for the flame to propagate 254 mm (10 ") is determined. The result is expressed as horizontal burning speed in mm/min. It is important to note that this standard does *not* contain any explicit requirements or rating systems;

It is left to legislation or OEM specifications to impose a limit based on the horizontal burning speed. They also define one or more limits and are to be performed on parts and/or assemblies, *and not for materials*. It is the responsibility of the component manufacturer to determine the flammability performance of molded components or assemblies. Because flammability results are dependent upon part thickness and geometry, it is not possible for Ravago to certify a material according to one of these standards.

Ravago has performed tests according to ISO 3795 on injection molded plates (3mm thickness) to determine indicative values for material selection purposes (see below).

Declaration

### OEM Standards based on ISO 3795

Standard	Scope	Limit burning speed [mm/min]	Comment
<b>FMVSS 302</b>	USA	101.6	
<b>VW TL1010</b>	Volkswagen	100	
<b>GM 60261</b>	General Motors	100	average + 3 * standard deviation should be less than limit as well
<b>D45 1333 / - - B</b>	Renault	100	Standard also has classification scheme
<b>UTAC ST 18-502-1</b>	Bus interiors	100	Standard also has classification scheme
<b>EC/95/28, Annex IV</b>	Bus interiors	100	Standard also has classification scheme

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Standard	Scope	Limit burning speed [mm/min]	Comment
<b>104-0001</b>	Volvo	80	$\leq 3$ specimens $\leq 96$ mm/min and an average $\leq 80$ mm/min
<b>GB 8410</b>	China	100	Standard also has classification scheme

Polymer	Brand name	Grades	Thickenss [mm]	Burning rate [mm/min]
PA	Hylon-Ravamid	all	3,2	< 80
PA-ABS	Sicoblend	all	3,2	< 80
ABS	Sicoflex- Resinex ABS	all	3,2	< 80
PC	Sicoklar-Tristar- Resinex PC	all	3,2	< 80
HIPS	Sicostirolo	all	3,2	< 80
PC-ABS	Mablex-Resinex PC/ABS	all	3,2	< 80
PP	Scofin-Mafill-Verplen	all	3,2	< 80

Declaration

Ravago Manufacturing Europe  
Regulatory Dept.