

## 1. Product Identification

### PMI RS

Recommended use: core material for sandwich structures

### CEL Components S.r.l.

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## 2. Composition/Information on Ingredients

Foam plastic on the basis of polymethacrylimide

## 3. Hazards Identification

No particular hazards known.

## 4. First Aid Measures

### After contact with eyes

If mechanical irritation occurs flush eyes thoroughly with a large amount of water, consult a physician if irritation persists. (possible during machining processes)

## 5. Fire-fighting Measures

### Suitable extinguishing media

foam, carbon dioxide, dry chemical, water spray

### Unsuitable extinguishing media for safety reasons full

water jet

### Special protective equipment for fire fighting

Wear self-contained breathing apparatus.

## 6. Accidental Release Measures

### Methods of cleaning / adsorption

Take up mechanically. Dispose of in accordance with regulations.

## 7. Handling and Storage

### Handling

### Instructions on safe handling

During thermal processing and/or machining extraction a cleaning aspirator



at processing machines is necessary.

**Information on fire and explosion protection**

No special measures required.

**8. Exposure Controls/Personal Protection**

**Occupational exposure controls**

For monitoring procedures refer to for instance "NIOSH Manual of Analytical Methods", National Institute for Occupational Safety and Health Personal protective equipment

**Hygiene measures**

Follow the usual good standards of occupational hygiene.

**Respiratory protection**

dust mask may be required for machining operations

**Hand protection**

protective gloves against mechanical risks according to EN 388  
General information

Gloves should be replaced regularly, especially after extended contact with the product. For each work-place a suitable glove type has to be selected.

**Eye protection**

goggles for machining operations

**9. Physical and Chemical Properties**

**Appearance**

Form: sheets  
 Colour: white  
 Odour: odourless

**Data relevant to safety**

**Changes in physical state**

Softening Temperature not applicable  
 Boiling Temperature not applicable

**Flash point** not determined

**Ignition temperature** approx. 350-600 °C (with and without flame)

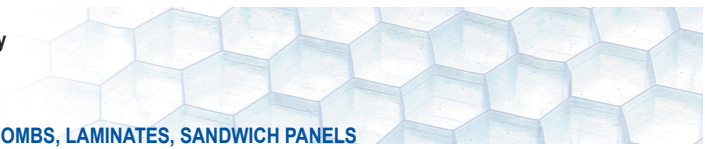
**Spontaneous ignition** not determined

**Lower explosion limit** not applicable

**Upper explosion limit** not applicable

**Vapour pressure** not applicable

**Density** 0,03-0,20 g/cm<sup>3</sup> at 20 °C  
 (depending on type)



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<b>Solubility in water</b>	insoluble
<b>Solubility (qualitative)</b>	partly soluble in dimethyl formamide
<b>pH value</b>	not applicable
<b>Viscosity (dynamic)</b>	not applicable
<b>Further information</b>	none

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## 10. Stability and Reactivity

### Thermal decomposition

> 300 °C

### Hazardous reactions

No hazardous reactions known.

### Hazardous decomposition products

Hazardous decomposition products: carbon monoxide, nitriles

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## 11. Toxicological Information

### General information

The product has not been tested toxicologically. When handled and used as directed the product will not cause hazardous effects to health according to studies on similar products and practical experience. Inhaling of product dusts should be avoided.

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## 12. Ecological Information

### General information

The product has not been tested ecotoxicologically.

On the basis of the products consistency as well as its low water solubility a bioavailability is unlikely. Studies on products with similar composition confirm this assumption.

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## 13. Disposal considerations

### Product

Waste is non-hazardous. It should be disposed of in accordance with the regulations after consultation of the competent local authorities and the disposal company in a suitable and licensed facility.

### Uncleaned packaging

Uncontaminated packaging may be taken for recycling.

### Code of waste EWC

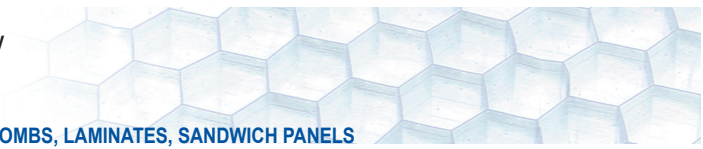
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wastes from shaping and physical and mechanical surface treatment of



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ALUMINIUM AND THERMOPLASTIC HONEYCOMBS, LAMINATES, SANDWICH PANELS



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metals and plastics – plastic shavings and turnings

Always check the given waste codes according to the actual conditions of manufacturing, formulation or use in your facilities.

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#### 14. Transport Information

##### Further information

Not a dangerous good within the meaning of transportation regulations.

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#### 15. Regulatory Information

**Labelling in accordance with directive 1999/45/EC not applicable**

##### Additional Information on Classification

On the basis of the toxicological and ecotoxicological findings on analogue products we have available up to now, labelling according to EC-directive 1999/45/EC does not apply.

##### Status of Registration

EINECS/ELINCS : listed

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#### 16. Other Information

##### Miscellaneous information

none

##### References

relevant manuals and publications

own examinations

own toxicological and ecotoxicological studies

toxicological and ecotoxicological studies of other manufacturers