



Material Safety Data Sheet

Extruded Nylon Products of ZL engineering plastics, inc.

1. Product and Company

ZL Products: ZL™ 250 Type 6/6 Nylon – Natural
ZL™ 250 Blk Type 6/6 Nylon – Black
ZL™ 250 MO Type 6/6 Nylon – MoS₂ added

Manufacturer: ZELL-METALL GmbH Tel: +43 6547 8417
Schulstraße 511 Fax: +43 6547 8890
A-5710 Kaprun E-mail: zell-metall@zmk.at
Austria/Europe Website: www.zell-metall.com

2. Composition / Information on Ingredients

Stock shapes manufactured of extruded Polyamide 6 and Polyamide 6/6, possibly stabilizing agents, pigments, fillers, and additives.

CAS – number: 25038 – 54 – 4

3. Possible Hazards

None.

4. First Aid Measures

General Information: Burns caused by molten material require hospital treatment.

5. Fire Fighting Measures

Suitable extinguishing agents: Water, foam, dry extinguishing media.

Additional Information: The following can be given off at above 300°C: toxic gases, carbon monoxide. In addition small quantities of the following substances can be formed: hydrogen cyanide. Formation of further fission and oxidation products depends upon the fire conditions. Dispose of fire debris and contaminated extinguishing water in accordance with local regulations.

Necessary Protective Gear: None

6. Measures in case of Accidental Release

None.

7. Handling and Storage

No special precautions necessary. Unlimited storage possible.

8. Exposure Limits

None.

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9. Physical and Chemical Properties

Appearance

Form: Solid as semi-finished (plate, rod, tube) at 20°C
Color: Natural or Black
Odor: Odorless

Change in Physical State

Melting point: 217 – 221°C
Flash point: >390°C
Ignition temperature: >400°C
Density: 1.14 g/cm³

10. Stability and Reactivity

Thermal Decay: Starts to decompose at 300°C
Dangerous by-products of decay: Carbon monoxide, hydrogen cyanide

11. Toxicological Information

In our experience and according to information available to us, the product is not harmful to health provided it is correctly handled and processed according to the given recommendations.

12. Ecological Information

Persistence/degradability: Very low UV degradability
Ecotoxicity: No indication that this material is being a risk to the environment
Aquatic toxicity: Insoluble, non-toxic solid material (no water hazard)

13. Disposal Information

Check for possible recycling. Can be dumped with domestic refuse or incinerated in suitable plants in accordance with local regulations.

14. Transport Information

Not classified as hazardous according to transportation regulations.

15. Rules

Not subject to labeling.

16. Special Information

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.

**For further information on our Extruded Nylon Products,
please contact ZL at 1-866-957-5278.**