



01 IDENTITY OF THE PRODUCT AND COMPANY

Product RaniProtec

Company Ab Rani Plast Oy
Tehtaantie 6
FIN - 68700 Teerijärvi
Finland
raniplast@raniplast.com
Tel: +358-(0)20-7680111

Issued by Markus Storbacka, Product Development

02 HAZARDS IDENTIFICATION

No particular hazards known. Inhalation of possible dust particles may irritate respiratory system. The product is not classified hazardous according to Finnish and EU legislation.

03 COMPOSITION

Components Polyethylene

Does not contain such amounts of hazardous components that should be specifically considered according to EU legislation.

04 FIRST AID

Inhalation If inhalation of smoke or gas from heated material, supply with fresh air.

Eyes contact Rinse thoroughly with plenty of water. Irritation can occur through a mechanical influence.

Skin contact Wash with soap and water. Melted material can cause a burn injury – cool with water.

Consumption In case of symptom of illness or pain; seek medical help.

05 FIRE-FIGHTING MEASURES

Fire and risk of explosion The product is inflammable. At fire carbon dioxide (CO₂), carbon monoxide (CO) and hydrocarbon are formed.

Protection Avoid inhalation of smoke; use a breathing apparatus.

Suitable medium for extinguishing Quench with water mist, foam, CO₂ or powder.

06 ACCIDENTAL DISCHARGES AND WASTE HANDLING

Sweep up and re-use if possible. Wasted film may cause risk of slipperiness. Deposit in accordance with local regulations.



07 HANDLING AND STORING

Handling	Normal caution. Avoid inhaling dust or other residues of packaging and product particles. Dust might cause a risk of dust explosion. All production lines must be grounded.
Storing	Indoor storing at a temperature of maximum 30 °C is recommended. Generally the products can be stored outside in normal Nordic circumstances.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

Preventing measures	When applying heat to the product small amounts of low molecular gases of hydrocarbon are emitted. Attend for good ventilation and local exhaust ventilation at the process equipment.
Personal protection equipment	Suitable gloves are recommended to avoid paper cut wounds.

09 PHYSICAL AND CHEMICAL PROPERTIES

Form	Film
Colour	Transparent
Combustion	Inflammable (suitable both for material recycling and energy re-use).
Soluble in water	No.
Static electricity	The product can be statically charged.
Other information	-

10 STABILITY AND REACTIVITY

Stability	The product is a stable thermoplastic, and it is not chemically reactive. Decomposition temperature > 300 °C.
Hazardous decomposition products	Above decomposition temperature low molecular gases of hydrocarbons are emitted, which can be ignited.

11 TOXICOLOGICAL INFORMATION

Instant toxic effect	-
Effect on skin	Not irritating
Effect on mucous membranes	Not irritating
Other information	When professionally and suitably used and handled the product does not have any harmful effects.



12 ECOLOGICAL INFORMATION

Toxic effect	The product is not toxic.
Degradation	The product is not degradable.
Other information	After end use the plastics should be recycled or subjected to controlled burning, preferably with energy recovery. The heating value for the product is about 46 MJ/kg.

13 WASTE DISPOSAL

Product	On the basis of necessary technical regulations and after consultation with the disposal agent and the relative authorities, the product can be disposed of with domestic waste or incinerated with domestic waste.
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No contaminated packaging may be recycled

14 TRANSPORTATION INFORMATION

IMDG CLASS	Non hazardous goods.
ADR/RID	Non hazardous goods.

15 REGULATORY INFORMATION

The product is not under obligation of marking.

16 OTHER INFORMATION

This safety information is composed according to EU-directive 91/155/EEC and the information herein is based on the data given by raw-material suppliers. The product(s) contain no heavy metals.