



1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier Product name

RECYCLED POLYPROPYLENE 3019/3

Grade: PPUFBK

Description: Black general purpose polypropylene

Process Recommendations:

BARREL TEMPERATURES: 195 - 230°C - *typically*

MOULD TEMPERATURE: ~20 - 50°C

DRYING TEMPERATURE: 70 - 80°C

REACH Substance name: Polypropylene

REACH Registration Number: Exempted from REACH registration

1.2 Relevant identified uses

Use: PPUFK is a general purpose polypropylene-compound with good impact performance and manufactured from recycled polymer. Suitable for extrusion, injection moulding, blow moulding & thermoforming applications

Uses advised against: Heat, flames and sparks.

1.3 Details of the supplier of the safety data sheet Company identification

SureCav Limited

Holbrook Lodge, Holbrook, Wincanton, Somerset. BA9 8BT

Tel: 01963 34660 Fax: 01963 32441 E-mail: info@surecav.co.uk

1.4 Emergency telephone number

Emergency telephone number (24h) 01963 34660

2. Hazard Identification

2.1 Human health effects: None. No special protective measures required.

Environmental effects: No data available.

2.2 Classification and labelling according to Directive 67/548/EEC.

Classification : This substance is not classified as dangerous according to Directive 67/548/EEC.

2.3 Other hazards

Other hazards: The product does not need to be labelled in accordance with EC directives or respective national laws.

3. Composition/information on ingredients

RECYCLED POLYPROPYLENE 3019/3 Grade: PPUFBK

PROPERTIES	TEST METHOD	UNITS	TYPICAL VALUE
Mechanical Properties			
Tensile Strength	ISO 527	MPa	22-30
Elongation at Break	ISO 527	%	10
Flexural Modulus	ISO 178	Gpa	1.1
Izod Notched Impact	ISO 180	kJ/m2	>3.5
Vicat Softening Point (50N, 50°C/h)	ISO 306	°C	>100
FMV SS 302	ISO 3795	mm/min	<100
Flammability to UL94	IN HOUSE	Rating	HB
Melt Flow & Viscosity Properties			
MeltFlow Index (230°C / 2.16kgs)	ISO 1133	cm3/g	10-15
General Properties			
Specific Gravity	ISO R 1183	cm3/g	0.905

4. First Aid Measures

4.1 GENERAL INFORMATION No first aid measures required under normal circumstances. At room temperature the product is neither an irritant nor gives off hazardous vapours.

4.2 The measures listed below apply to critical situations e.g. fire.

Skin Contact

If molten material contacts the skin, immediately flush with large amounts of water to cool the affected tissues and polymer. Do not attempt to peel the polymer from skin. Obtain immediately emergency medical attention if burn is deep or extensive.

Eye Contact

Flush eyes thoroughly with water for several minutes and seek medical attention if discomfort persists.

Inhalation

If symptoms are experienced, move victim to fresh air. Obtain medical attention if breathing difficulty persists.

Ingestion

Adverse health effects due to ingestion are not anticipated.



5. Fire Fighting Measures

Extinguishing agents: All agents allowed (Dry chemical, Carbon dioxide (CO₂), Water spray)

Unsuitable agents: No data available.

Decomposition products: In the case of fire; Carbon monoxide (CO), Carbon dioxide (CO₂), Acetic acid, Hydrochloric acid (in combination with water).

Protective equipment: Respiratory equipment (breathing apparatus), protective clothing (firemen).

6. Accidental Release Measures

No special environmental precautions required.

7. Handling and Storage

Avoid damage to the material by careless handling (e.g. fork truck forks). Store on a smooth and level surface.

Storage temperature should be below 60°C.

Protect from heat and direct sunlight.

8. Exposure Controls and Personal Protection

Personal protective equipment

Respiratory protection: No personal respiratory protective equipment normally required. In the case of respirable dust and/or fumes, use self-contained breathing apparatus.

Hand protection: No hand protection required under normal conditions, although the use of gloves is good industrial practice. Molten polymer: Wear heat-resistant gloves. Eye protection No eye protection is required under normal conditions.

Molten polymer: Wear safety glasses with side shields. Skin and body protection No special body protection is required under normal conditions.

Molten polymer: Wear heat-resistant protective clothing.

9. Physical and Chemical Properties

Appearance: Solid black plastic sheet with spaced protrusions.

Melting Point: Approximately 110-140°C

Odour: none

Explosive limits: none

Solubility in water: Insoluble

Density @ 20°C 0.905 g/cm³



10. Stability and Reactivity

Stability: Stable under normal conditions. Continuous heating above 160 °C will lead to thermal oxidation.

Conditions to avoid: Heat, flames and sparks.

Substances to avoid: Oxidizing agents.

Hazardous decomposition products: Mainly carbon dioxide and carbon monoxide, possibly traces of formaldehyde, acrolein and other hydrocarbons.

11. Toxicological Information

Acute toxicity: No data available.

Chronic toxicity: No data available.

Skin contact: Molten polymer can cause severe burns in contact with skin and eyes.

12. Ecological Information

Not regarded as dangerous to the environment.

13. Disposal considerations

Product disposal can be done with normal domestic waste. Can be recycled. Can be incinerated.

14. Transport Information

Not classified as hazardous for transport.

15. Regulatory Information

Labelling requirements: None.

Risk phrases: None.

Safety phrases: None.

Chemical Safety Assessment: The substance is exempted from REACH registration.



16. Other Information

Revision Issued: 7th July 2017

The information contained herein is based on current supplier information and knowledge and does not infer any legally binding assurance or warranty, expressed or implied. All reasonable efforts were exercised to compile this SDS in accordance with REACH legislation, Annex II. The SDS provides information regarding the health, safety and environmental hazards, at the date of issue, to facilitate the safe receipt, use and handling of the product in the workplace. Intending purchasers should verify whether any changes to specifications have been made since this literature was issued. Users of SureCav® must take responsibility in observing existing laws and regulations.