

Analysis Report

REPORT NUMBER:
933850.2



**DANISH
TECHNOLOGICAL
INSTITUTE**

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Encl.: 0
Init.: SRV/ULC

Assignor: Imdex A/S
Holmevej 5
DK-9640

Item: Analysis of rubber granulate for free impurities

Sampling: The assignor

Period: Samples received: 30 June 2020
Test performed: 30 June - 19 August 2020

Storage: The test material will be destroyed after 3 months, unless otherwise agreed in writing.

Remark: The account of the method(s) used only concerns the analysed sample(s).

Terms: This test was conducted in accordance with international requirements (ISO/IEC 17025:2017) and in accordance with the General Terms and Conditions of Danish Technological Institute. The test results solely apply to the tested item(s) or to the sub-sample(s) selected for analysis. This analysis report may be quoted in extract only if Danish Technological Institute has granted its written consent.

Date/place: 26 August 2020
Danish Technological Institute, Aarhus
Laboratory for Chemistry and Microbiology

Signature: Søren Ryom Villadsen
Senior Consultant

Label

Sample Number	Sample Name
933850-1	Rubber granulate

Packaging

The sample were packed in a miniature big-bag made of plastic.

Analysis programme

The sample was analysed according to UA-233 and selected elements from ASTM D5603-01.

Results

		Unit	Sample no.
Production date		Date, time	-
Bulk density ¹⁾		kg/m ³	561
Amount of sample		g	100
Free impurities ²⁾			
Mineral impurities	(sand, rocks, etc.)	% w/w	< 0,05
Textile fibres		% w/w	< 0.00005
ASTM metals		% w/w	< 0.001
DTI metals ³⁾		% w/w	< 0.001
Other impurities		% w/w	< 0.001
Total amount of free impurities		% w/w	< 0.05

Analysis method

- ¹⁾ ASTM D 5603-01 clause 8: Determination of the bulk density of recycled, vulcanized, particulate rubber (Modified: 8.2.1. cylindrical container 100 cm³).
- ²⁾ ASTM D 5603-01 clause 7: Composition and properties.
The determination of impurities was carried out on two samples of 100 g ± 10 g.
The tabulated result is the mean value.
- ³⁾ OA-698-4 and UA-233. Danish Technological Institute: Determination of bulk density and free impurities in rubber powder and granulate.