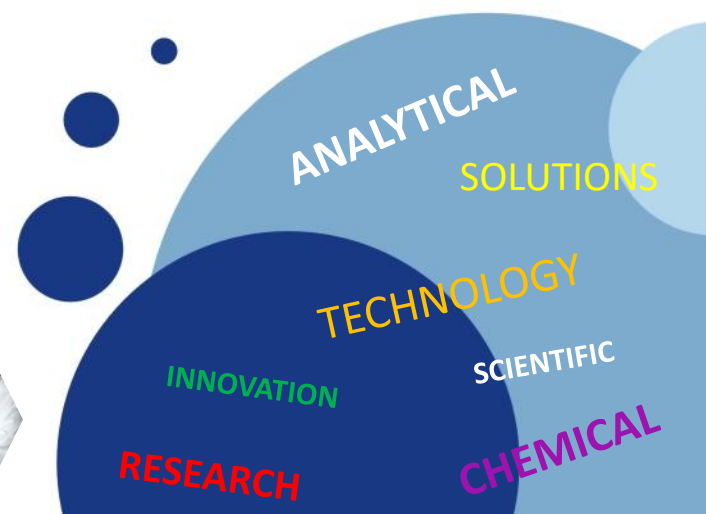
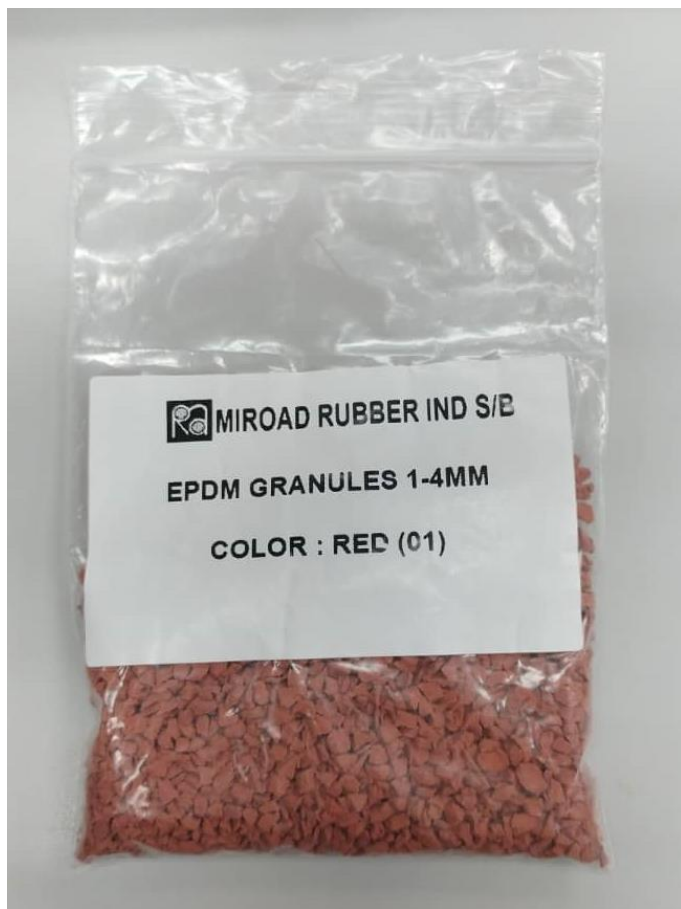


# Thermal Analysis Sample Testing for Miroad



# Sample measurement information



The TGA measurements were carried out with

**NETZSCH TG 209 F1 Libra**

Analysis type: Thermalgravimetric analysis

Crucible: Alumina

Atmosphere: Nitrogen gas

Temperature programmed: 30degC to 900degC

Heating rate: 20degC/min

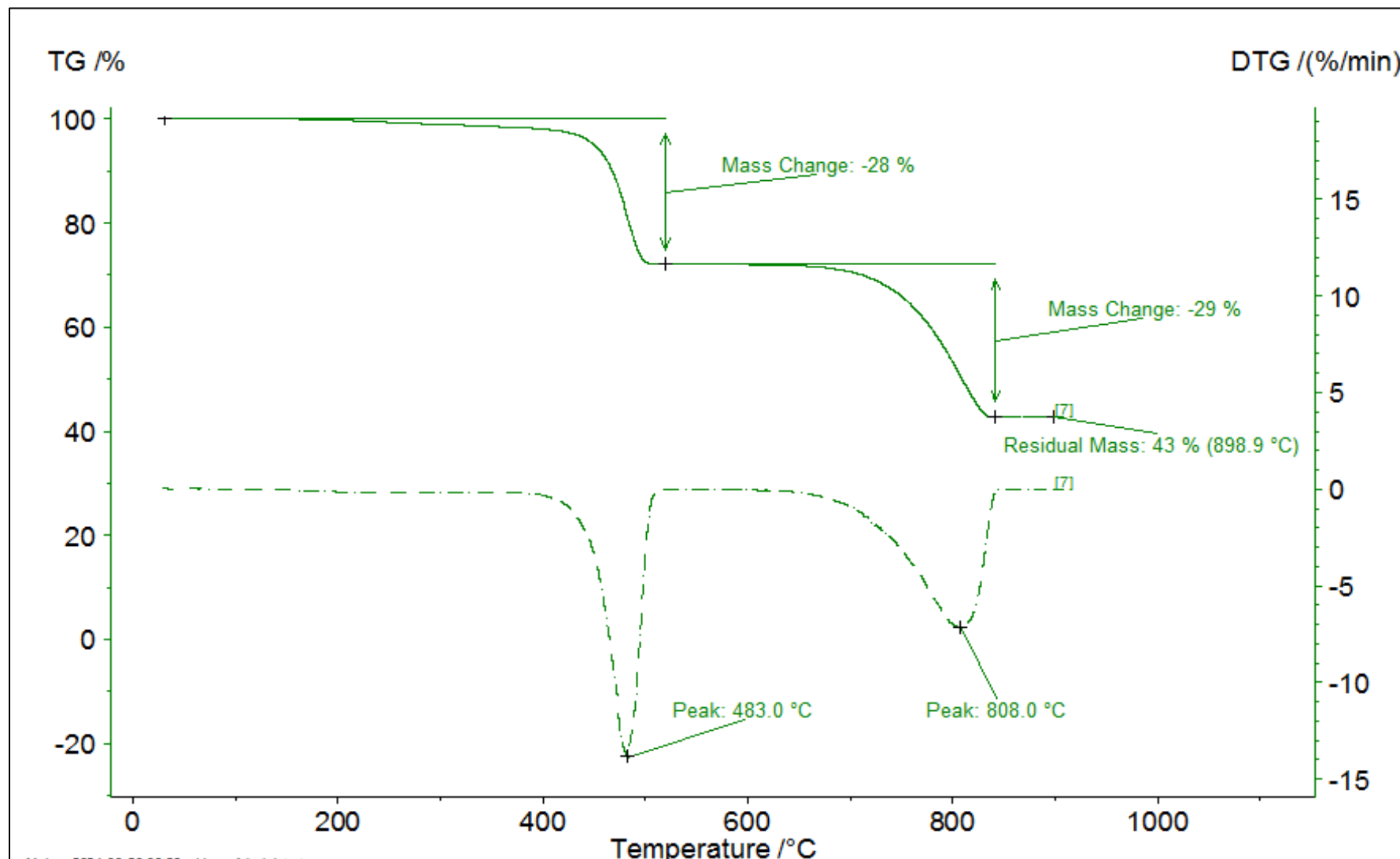
Reporting date: 19<sup>th</sup> March 2024

For each of the graph, 2 signals is displayed.

1. TG/% → Weight loss curve. Onset of decomposition temperature is the temperature where the component start to decompose.
2. DTG/(%/min) → Differential thermogravimetry, first derivative of TG curve. DTG peak temperature represent the maximum rate of weight loss which indicates the maximum reactivity attained in terms of rate of weight loss. The peak temperature indicates the peak of decomposition process.

# Sample EPDM Granules 1-4mm Red(01)

Below graph shows analysis for Sample EPDM Granules up to 900°C.



# Summary

Sample	Polymer backbone (%)	Filler content (%)	Residual mass (%)
	1 <sup>st</sup> weight loss	2 <sup>nd</sup> weight loss	
EPDM Granules 1-4mm Red (01)	28	29	43

**-End of report-**  
**Thank You**