



ENVIRONMENTAL  
PROTECTION  
AND WORK  
SAFETY REPORT  
2019

KRAIBURG TPE TECHNOLOGY (M) SDN. BHD.  
Location : Balakong



## PREFACE

KRAIBURG TPE Technology (M) Sdn. Bhd. has been certified in Malaysia in accordance with environmental standard ISO 14001 since 2014. Our management system that undergoes on annual review by environmental auditors is based on the applicable environmental standard. Our policy clearly expresses our far-reaching commitment to environmental protection and careful handling of resources.

It is our aim within the area of environmental protection, work safety and energy management is to spare resources, reduce and avoid environmentally harmful waste and emissions and to prevent accidents.

We assess our performance in environmental protection and work safety and initiate appropriate measures based on the following facts and figures. In order factor improved sustainability into our corporate policy, KRAIBURG TPE also focuses on energy efficiency.

The data collection system in these areas has already been elaborated in detail and serves as the basis for future measures.



Hew Hong Yong  
Managing Director  
KRAIBURG TPE Technology (M) Sdn. Bhd.

## AREA OF APPLICATION

The balance sheets of the environmental management system covers development and production of thermoplastic elastomers compounds (TPE) at KRAIBURG TPE Technology (M) Sdn. Bhd., Lot 1839, Jalan KPB 6, Kawasan Perindustrian Balakong, 43300 Seri Kembangan in Selangor, Malaysia.

## WORK SAFETY AND HEALTH PROTECTION

The aim of work safety and health protection is to recognize potential risks in advance. Possible risks are recognized with foresighted analyses in collaboration with all responsible parties. The assessment of the individual risk factors is carried out by a health safety officer in coordination with the managers.

Protective goals for minimization of risks are agreed upon based on these results. Internal expert groups with collaborating staff representatives monitor and evaluate ongoing and new topics related to environmental protection, work safety and health protection on a quarterly basis.

## HAZARDOUS MATERIAL

An internal hazardous material directive ensures that no raw materials that are harmful to the health (e.g. carcinogenic, mutagenic or acutely toxic substances) are used at KRAIBURG TPE.

## NOISE PROTECTION

Noise exposure in the production area is well controlled and comply to local regulations. Noise mapping has been conducted for production. Furthermore, we have conducted monitoring on boundary noise to ensure that the noise from our operation does not affect surrounding premise.

## WORK SAFETY / ACCIDENTS

We work continuously to prevent work accidents and reduce the risk of accidents at the location. The 'LTIF' (Lost Time Injury Frequency) characteristic indicates the number of accident-related lost working hours per scheduled working hours.

## FIRE AND EXPLOSION PROTECTION / EMERGENCY MANAGEMENT

We have established emergency response team to manage the situation during emergency. Periodical drill is conducted to ensure the emergency plan is working well.

## ENVIRONMENTAL ACCIDENTS / ENVIRONMENTAL ASPECTS

We did not have any environmental accidents with environmental effects in 2019. The internal process for “determination of environmental aspects” has also been optimized.

## WASTE AND EMISSIONS

A central aim of the environmental management is the reduction of waste and emissions as well as to protect resources. The EQ (Schedule Waste) 2005 regulates proper schedule waste disposal and EQ (Clean Air) 2014 for stack emissions. The principle of avoidance or re-use before disposal applies. According to this approach, KRAIBURG TPE has already initiated various measures to reduce the disposal of non-recyclable waste.

## RECYCLING

An important environmental aspect is the recycling of our products. Instead of disposing of TPE, we recycle our products. The goal of the operational team is the economical, efficient recyclable material (e.g. returned goods, production waste, etc.).

## 2019 INPUT/OUTPUT BALANCE SHEET

This balance sheet is an important component of environmental reports and is recommended by ISO 14001. It transparently presents important factors of the company's activity.

The following core indicators are used for the monitoring and control of performances. These measurable key areas enable a transparent presentation with respect to improvements and effectiveness.

### 2019 INPUT/OUTPUT BALANCE SHEET FOR KRAIBURG TPE TECHNOLOGY (M) SDN. BHD.

Input	Quantity	Unit	Output	Quantity	Unit
Material consumption production	9,028	t	Production quantity	8,888	t
<b>Energy</b>	4,134	MWh	<b>Waste</b>	281	t
Electricity	4,034	MWh	Recyclable	248	t
Solar	91	MWh	Non-recyclable	33	t
Water	3,563	m <sup>3</sup>			

## CORE INDICATORS FOR ENVIRONMENTAL PERFORMANCE AT THE MALAYSIA LOCATION IN 2019

Indicators	Definition	Dimension	Value
Material efficiency	Production quantity / Material consumption (production)	t/t	0.9845
Electrical efficiency	Electricity / production quantity	kWh / t	465
Water	Fresh water / production quantity	m <sup>3</sup> / t	0.40
Waste	Waste / production quantity	kg / t	31.59
LTIF	Accident related lost time / 1 million working hours	LTI	8.4
Employee safety training completion	Performed / required safety training	%	91.67

## SUMMARY

We at KRAIBURG TPE are sincerely and openly engaged in environmental protection and occupational health and safety. The core indicators show mainly positive results for 2019. It is our declared goal to continue this development in 2020. Our policy of “avoiding accidents, conserving resources, and reducing environmentally harmful waste and emissions” encourages us to do our best every day to take responsibility for the sake of today’s and tomorrow’s generations.



KRAIBURG TPE Technology (M) Sdn. Bhd.

Lot 1839, Jalan KPB 6  
Kawasan Perindustrian Balakong,  
43300 Seri Kembangan, Selangor, Malaysia.

Tel : +603 9545 6393

Email : [info-asia@kraiburg-tpe.com](mailto:info-asia@kraiburg-tpe.com)



For contact details of our branch offices and partners, see [www.kraiburg-tpe.com](http://www.kraiburg-tpe.com)  
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KRAIBURG TPE Asia Pacific aim towards a better environment, health and safety while simultaneously maintaining harmony with nature in all our global operation activities.

