

**TORAY**

# TORAY PLASTICS (MALAYSIA) SDN BERHAD

Company Reg. no.: 197901002368 (46619-P)

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To Whom It May Concern:

From :

  
SK Teh

General Manager

Technical & Quality Division

Date: 1<sup>st</sup> October 2021

Dear Valued Customers,

## Re: Restriction of Hazardous Substances (RoHS) Declaration

We wish to express our deepest appreciation for your excellent support towards our TOYOLAC™ ABS resin. Toray Plastics Malaysia Sdn. Bhd. (TPM), herein declares that all resin products as listed in **Table 1: TOYOLAC™ Resins** (Natural and Standard Black\* color) supplied by our company comply with the **European Union (EU) RoHS Directive 2011/65/EU** requirement. The substances listed in Table 1: RoHS Prohibited Substances below are not intentionally added in any production stage, to best of our knowledge.

In view of the many factors that may affect processing and application of our products, these data do not relieve user from carrying out own investigation and test, neither do these data imply any guarantee, or warranty for certain properties, uses, suitability, safety, hazards or health effects. This information relates only to the above mentioned materials as delivered in their original packaging. Besides, it does not relate to any product made of these materials with or without the inclusion of further additives. Thus, TPM makes no warranties, express or implied and assumes no liabilities in any use of the information.

Should you need further clarification, please feel free to contact us.

**Table 1: RoHS Prohibited Substances**

No.	Substances	Limit (ppm)
1.	Cadmium and cadmium compounds	100
2.	Lead and lead compounds	1000
3.	Mercury and mercury compounds	1000
4.	Hexavalent chromium compounds	1000
5.	Polybrominated biphenyls (PBB)	1000
6.	Polybrominated diphenylethers (PBDE)	1000
7.	Benzyl butyl phthalate (BBP)	1000
8.	Di-butyl phthalate (DBP)	1000
9.	Di-(2-ethylhexyl phthalate (DEHP)	1000
10.	Diisobutyl phthalate (DIBP)	1000

**Table 1: TOYOLAC™ Resins**

<b>TYPES</b>	<b>GRADE NAME</b>	
<b>Transparent MABS</b>	TOYOLAC™ 920 555 TOYOLAC™ 990 X88	TOYOLAC™ 900 352A TOYOLAC™ 912 X01
<b>General Purpose ABS</b>	TOYOLAC™ 100 322 TOYOLAC™ 100 X01 TOYOLAC™ 250 X10 TOYOLAC™ 500 322	TOYOLAC™ 700 314 TOYOLAC™ 700 X01 TOYOLAC™ 600 X50 TOYOLAC™ 600 X52
<b>Glass Fiber Reinforced AS/ABS</b>	TOYOLAC™ ABSG 100G-10 TOYOLAC™ ABSG 100G-20 TOYOLAC™ ABSG 100G-30 TOYOLAC™ ABSG 100G-10T1	TOYOLAC™ ASG-10 TOYOLAC™ ASG-20 TOYOLAC™ ASG-30 TOYOLAC™ ASGI-20 TOYOLAC™ ASG-20 HF TOYOLAC™ ASG-30 HF
<b>High Heat ABS</b>	TOYOLAC™ 420Y MH1 TOYOLAC™ 430Y MH1 TOYOLAC™ 440Y MH1 TOYOLAC™ 440Y MH5 TOYOLAC™ 450Y MH1	TOYOLAC™ 450Y MH5 TOYOLAC™ 450Y X10 TOYOLAC™ 460Y MH1 TOYOLAC™ 470Y MH1
<b>High Heat Glass Fiber Reinforced ABS</b>	TOYOLAC™ 450G-10R TOYOLAC™ 450G-30R	TOYOLAC™ 450G-20R TOYOLAC™ 450G-20S
<b>Chemical Resistant ABS</b>	TOYOLAC™ AX05 X03	TOYOLAC™ AX05 X32
<b>Painting ABS</b>	TOYOLAC™ 100 MPF TOYOLAC™ 100 MPJ TOYOLAC™ 100 MPK	TOYOLAC™ 100 MPM TOYOLAC™ 100-MPH
<b>High Heat Painting ABS</b>	TOYOLAC™ 440Y X50	TOYOLAC™ 450Y X50
<b>Plating ABS</b>	TOYOLAC™ 315 X01	TOYOLAC™ 325
<b>AS</b>	TOYOLAC™ A20C 333 TOYOLAC™ A21C 333	TOYOLAC™ A37C 333 TOYOLAC™ A11C 333
<b>Specialty Grades</b>	TOYOLAC™ 450Y BM1 TOYOLAC™ 500 MX2	TOYOLAC™ 532 X02 TOYOLAC™ 700 SG5
<b>Alloy Grades</b>	TOYOLAC™ PX10 X06 TOYOLAC™ PX10 X07 TOYOLAC™ RFX10 X01 TOYOLAC™ VX10G20	TOYOLAC™ RNX84 X01 TOYOLAC™ RNX86-X01 TOYOLAC™ RNX87-X01 TOYOLAC™ RPX04-X51
<b>ASA</b>	TOYOLAC™ TA10 X01 TOYOLAC™ TA10 X02 TOYOLAC™ TA30 X01 TOYOLAC™ TA30 X02 TOYOLAC™ TA50 X01	TOYOLAC™ TA50 X02 TOYOLAC™ TA50C X50 TOYOLAC™ TA44 X50 TOYOLAC™ TA42C X01

\*Standard Black Color Code: B0, B1, B2, B3, B4, B6, SB1, SB2, K1, K2, K3, LB001, LB002 and LB003.