


**To Whom It May Concern:**

From :   
SK Teh  
General Manager  
Technical & Quality Division

**Date: 24<sup>th</sup> January 2024****Dear Valued Customers,****Re: Restriction of Hazardous Substances (RoHS) Declaration**

We wish to express our deepest appreciation for your excellent support towards our TOYOLAC<sup>TM</sup> ABS resin. Toray Plastics Malaysia Sdn. Bhd. (TPM), herein declares that all resin products as listed in **Table 1: TOYOLAC<sup>TM</sup> 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™ 920 555 U
	TOYOLAC™ 900 352A	TOYOLAC™ 900 352A U
	TOYOLAC™ 900 352	TOYOLAC™ 900 352 U
	TOYOLAC™ 912 X01	TOYOLAC™ 912 X01 U
	TOYOLAC™ 990 X88	
<b>General Purpose ABS</b>	TOYOLAC™ 100 322	TOYOLAC™ 100 322 U
	TOYOLAC™ 100 X01	TOYOLAC™ 100 X01 U
	TOYOLAC™ 250 X10	TOYOLAC™ 250 X10 U
	TOYOLAC™ 500 322	TOYOLAC™ 500 322 U
	TOYOLAC™ 700 314	TOYOLAC™ 700 314 U
	TOYOLAC™ 700 X01	TOYOLAC™ 700 X01 U
	TOYOLAC™ 600 X50	TOYOLAC™ 600 X50 U
	TOYOLAC™ 600 X52	TOYOLAC™ 600 X52 U
<b>Glass Fiber Reinforced AS/ABS</b>	TOYOLAC™ ABSG 100G-10	TOYOLAC™ ASG-10
	TOYOLAC™ ABSG 100G-20	TOYOLAC™ ASG-20
	TOYOLAC™ ABSG 100G-30	TOYOLAC™ ASG-30
	TOYOLAC™ ABSG 100G-10T1	
<b>High Heat ABS</b>	TOYOLAC™ 440Y MH1	TOYOLAC™ 440Y MH1 U
	TOYOLAC™ 440Y MH5	TOYOLAC™ 440Y MH5 U
	TOYOLAC™ 450Y MH1	TOYOLAC™ 450Y MH1 U
	TOYOLAC™ 450Y MH5	TOYOLAC™ 450Y MH5 U
	TOYOLAC™ 450Y X10	TOYOLAC™ 450Y X10 U
	TOYOLAC™ 470Y MH1	TOYOLAC™ 470Y MH1 U
	TOYOLAC™ 420Y MH1	TOYOLAC™ 430Y MH1
	TOYOLAC™ 460Y MH1	
<b>High Heat Glass Fiber Reinforced ABS</b>	TOYOLAC™ 450G-10R	TOYOLAC™ 450G-20R
	TOYOLAC™ 450G-30R	TOYOLAC™ 450G-20S
<b>Chemical Resistant ABS</b>	TOYOLAC™ AX05 X03	TOYOLAC™ AX05 X03 U
	TOYOLAC™ AX05 X32	TOYOLAC™ AX05 X32 U
<b>Painting ABS</b>	TOYOLAC™ 100 MPF	TOYOLAC™ 100 MPM
	TOYOLAC™ 100 MPJ	TOYOLAC™ 100-MPH
	TOYOLAC™ 100 MPK	
<b>High Heat Painting ABS</b>	TOYOLAC™ 440Y X50	TOYOLAC™ 450Y X50
<b>Plating ABS</b>	TOYOLAC™ 315 X01	TOYOLAC™ 325
	TOYOLAC™ 335 MPL	
<b>AS</b>	TOYOLAC™ A20C 333	TOYOLAC™ A37C 333
	TOYOLAC™ A21C 333	TOYOLAC™ A11C 333
<b>Specialty Grades</b>	TOYOLAC™ 450Y BM1	TOYOLAC™ 532 X02
	TOYOLAC™ 500 MX2	TOYOLAC™ 500 MX2 U
	TOYOLAC™ 700 SG5	TOYOLAC™ 700 SG5 U
<b>Medical Grades</b>	TOYOLAC™ 500 322M	TOYOLAC™ 250 X10M
<b>Alloy Grades</b>	TOYOLAC™ PX10 X06 U	TOYOLAC™ RFX10 X01 U
	TOYOLAC™ PX10 X07 U	TOYOLAC™ VX10G20
<b>ASA</b>	TOYOLAC™ TA10 X01	TOYOLAC™ TA50 X02
	TOYOLAC™ TA10 X02	TOYOLAC™ TA50C X50
	TOYOLAC™ TA30 X01	TOYOLAC™ TA44 X50
	TOYOLAC™ TA30 X02	TOYOLAC™ TA42C X01
	TOYOLAC™ TA50 X01	TOYOLAC™ TA42 X02

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