

To Whom It May Concern:

From :



SK Teh
General Manager
Technical & Quality Division

Date: 24th 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 TOYOLACTM ABS resin. Toray Plastics Malaysia Sdn. Bhd. (TPM), herein declares that all resin products as listed in **Table 1: TOYOLACTM 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

TYPES	GRADE NAME	
Transparent MABS	TOYOLAC™ 920 555 TOYOLAC™ 900 352A TOYOLAC™ 900 352 TOYOLAC™ 912 X01 TOYOLAC™ 990 X88	TOYOLAC™ 920 555 U TOYOLAC™ 900 352A U TOYOLAC™ 900 352 U TOYOLAC™ 912 X01 U
General Purpose ABS	TOYOLAC™ 100 322 TOYOLAC™ 100 X01 TOYOLAC™ 250 X10 TOYOLAC™ 500 322 TOYOLAC™ 700 314 TOYOLAC™ 700 X01 TOYOLAC™ 600 X50 TOYOLAC™ 600 X52	TOYOLAC™ 100 322 U TOYOLAC™ 100 X01 U TOYOLAC™ 250 X10 U TOYOLAC™ 500 322 U TOYOLAC™ 700 314 U TOYOLAC™ 700 X01 U TOYOLAC™ 600 X50 U TOYOLAC™ 600 X52 U
Glass Fiber Reinforced AS/ABS	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
High Heat ABS	TOYOLAC™ 440Y MH1 TOYOLAC™ 440Y MH5 TOYOLAC™ 450Y MH1 TOYOLAC™ 450Y MH5 TOYOLAC™ 450Y X10 TOYOLAC™ 470Y MH1 TOYOLAC™ 420Y MH1 TOYOLAC™ 460Y MH1	TOYOLAC™ 440Y MH1 U TOYOLAC™ 440Y MH5 U TOYOLAC™ 450Y MH1 U TOYOLAC™ 450Y MH5 U TOYOLAC™ 450Y X10 U TOYOLAC™ 470Y MH1 U TOYOLAC™ 430Y MH1
High Heat Glass Fiber Reinforced ABS	TOYOLAC™ 450G-10R TOYOLAC™ 450G-30R	TOYOLAC™ 450G-20R TOYOLAC™ 450G-20S
Chemical Resistant ABS	TOYOLAC™ AX05 X03 TOYOLAC™ AX05 X32	TOYOLAC™ AX05 X03 U TOYOLAC™ AX05 X32 U
Painting ABS	TOYOLAC™ 100 MPF TOYOLAC™ 100 MPJ TOYOLAC™ 100 MPK	TOYOLAC™ 100 MPM TOYOLAC™ 100-MPH
High Heat Painting ABS	TOYOLAC™ 440Y X50	TOYOLAC™ 450Y X50
Plating ABS	TOYOLAC™ 315 X01 TOYOLAC™ 335 MPL	TOYOLAC™ 325
AS	TOYOLAC™ A20C 333 TOYOLAC™ A21C 333	TOYOLAC™ A37C 333 TOYOLAC™ A11C 333
Specialty Grades	TOYOLAC™ 450Y BM1 TOYOLAC™ 500 MX2 TOYOLAC™ 700 SG5	TOYOLAC™ 532 X02 TOYOLAC™ 500 MX2 U TOYOLAC™ 700 SG5 U
Medical Grades	TOYOLAC™ 500 322M	TOYOLAC™ 250 X10M
Alloy Grades	TOYOLAC™ PX10 X06 U TOYOLAC™ PX10 X07 U	TOYOLAC™ RFX10 X01 U TOYOLAC™ VX10G20
ASA	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 TOYOLAC™ TA42 X02

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

