



## Our Know-how – Your Advantage

The recycled content series is your material solution for application with adhesion to polar thermoplastic such as ABS, PC and PC/ABS. RC/AD1/AP Series contained a post-industrial recycled content of 34-50% (hardness dependent) for a variety of applications in Asia Pacific market. The compounds are available in black, natural and pre-coloration is possible.

- Hardness range 60-80 Sh A
- From 34-50% post-industrial recycled content
- Smooth touch with non-sticky surface
- Adhesion for PC, ABS, PC/ABS
- RoHS, Reach SVHC
- Tested for UL 94HB
- Tested for ISO10993-5 (Cytotoxicity) & ISO10993-23 (Skin Irritation)
- Optimized mechanical properties
- Natural, black and pre-colored is possible

## Low Shwu Ping Product Developer

"KRAIBURG TPE's new RC/AD1/AP series is a sustainably-produced, high quality TPE product with recycled content complying with numerous global standards. With the market clearly focused on a circular economy, KRAIBURG TPE is highly committed to helping product designers and manufacturers adopt innovative products that deliver sustainability advantages."

## Typical Applications

- Wearable (earphone, wrist band & etc.)
- Household articles
- Game consoles
- Handles and grips



## Technical Data

	Unit	Standard	RI6PGM-NTRL	RI7PGM-NTRL	RI8PGM-NTRL
Recycled Content	%		35	42	50
Hardness	Sh A	DIN ISO 48-4	61	71	81
Density	g/cm³	DIN EN ISO 1183-1	1.06	1.1	1.1
Tensile Strength	MPa	DIN 53504/ISO 37	5.5	9	12
Elong. at Break	%	DIN 53504/ISO 37	500	520	510
Tear Resistance	N/mm	DIN ISO 34-1	20	28	32
Adhesion to ABS	N/mm	VDI 2019	2.5	5	5.5
Adhesion to PC	N/mm	VDI 2019	3	4	4.5
Color			Natural	Natural	Natural

	Unit	Standard	RI6PGM-BLCK	RI7PGM-BLCK	RI8PGM-BLCK
Recycled Content	%		34	41	49
Hardness	Sh A	DIN ISO 48-4	62	72	79
Density	g/cm³	DIN EN ISO 1183-1	1.06	1.1	1.1
Tensile Strength	MPa	DIN 53504/ISO 37	6	9	12
Elong. at Break	%	DIN 53504/ISO 37	480	500	500
Tear Resistance	N/mm	DIN ISO 34-1	21	29	32
Adhesion to ABS	N/mm	VDI 2019	2.5	4.5	5.5
Adhesion to PC	N/mm	VDI 2019	3	4	4.5
Color			Black	Black	Black

## TALK TO OUR EXPERTS!

**KRAIBURG TPE TECHNOLOGY (M) SDN. BHD. - ASIA PACIFIC**

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

**KRAIBURG TPE GMBH & CO. KG - EUROPE, MIDDLE EAST, AFRICA**

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

**KRAIBURG TPE CORPORATION - AMERICAS**

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