

GP/TP Series – General Purpose, Technical Performance

TYPICAL APPLICATIONS:

- Design-functional elements: packaging
- Soft touch: tracer, push buttons, switches
- Handles: screwdriver, toolbox, ski and hiking sticks

Adhesion to PP
Excellent mechanical properties
Natural compounds easy to colour

GP/TP Series – General Purpose, Technical Performance, natural

	Colour	Hardness DIN 53505 / ISO 868 Sh A (15s delay)	Density DIN EN ISO 1183-1:2004 g/cm ³	Tensile strength ¹ DIN 53504 / ISO 37 N/mm ²	Elongation at break ¹ DIN 53504 / ISO 37 %	Tear resistance ² ISO 34-1 method B (b) (Graves) N/mm	Compression Set ISO 815 %		
							72h/ 23°C	22h/ 70°C	22h/ 100°C
TC2TPN	Natural	25	1.10	2.5	600.0	6.0	-	-	-
TC3TPN	Natural	30	1.10	3.5	680.0	8.0	10.0	30.0	75.0
TC4TPN	Natural	40	1.10	4.5	660.0	11.0	12.0	33.0	68.0
TC5TPN	Natural	50	1.10	6.0	650.0	14.0	14.0	35.0	69.0
TC6TPN	Natural	60	1.10	6.0	680.0	16.0	18.0	42.0	70.0
TC7TPN	Natural	70	1.10	7.5	650.0	20.0	24.0	45.0	77.0
TC8TPN	Natural	80	1.10	9.0	600.0	29.0	30.0	50.0	78.0
TC9TPN	Natural	90	1.10	11.0	520.0	37.0	45.0	64.0	84.0
TC0TPN	Natural	95	1.10	13.0	500.0	41.0	46.0	72.0	85.0

¹ Deviating from ISO 37 standard test piece S2 is tested with a transverse speed of 200 mm/min

This datasheet is an extract of the KRAIBURG TPE program. Please contact KRAIBURG TPE to select the compound suitable for your requirements.

Remark:

The information provided in this documentation corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The results of our tests are determined by sample check and mean only a technical description of our products. It shall not absolve the customer of the responsibility to make tests for his intended process or purpose. Therefore, KRAIBURG TPE makes no warranties and assumes no liability in connection with any use of this information.

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GP/TP Series – General Purpose, Technical performance

GP/TP Series – General Purpose, Technical Performance, black

	Colour	Hardness DIN 53505 / ISO 868 Sh A (15s delay)	Density DIN EN ISO 1183-1:2004 g/cm ³	Tensile strength ¹ DIN 53504 / ISO 37 N/mm ²	Elongation at break ¹ DIN 53504 / ISO 37 %	Tear resistance ² ISO 34-1 method B (b) (Graves) N/mm	Compression Set ISO 815 %		
							72h/ 23°C	22h/ 70°C	22h/ 100°C
TC2TPZ	Black	25	1.10	2.5	600.0	6.0	10.0	32.0	70.0
TC3TPZ	Black	30	1.10	3.5	680.0	8.0	10.0	30.0	75.0
TC4TPZ	Black	40	1.10	4.5	660.0	11.0	12.0	33.0	68.0
TC5TPZ	Black	50	1.10	6.0	650.0	14.0	14.0	35.0	69.0
TC6TPZ	Black	60	1.10	6.0	680.0	16.0	18.0	42.0	70.0
TC7TPZ	Black	70	1.10	7.5	650.0	20.0	24.0	45.0	77.0
TC8TPZ	Black	80	1.10	9.0	600.0	29.0	30.0	50.0	78.0
TC9TPZ	Black	90	1.10	11.0	520.0	37.0	45.0	64.0	84.0
TC0TPZ	Black	95	1.10	13.0	500.0	41.0	46.0	72.0	85.0

¹ Deviating from ISO 37 standard test piece S2 is tested with a transverse speed of 200 mm/min

MATERIAL ADVANTAGES:

- Excellent physical properties
- Natural compound easy to colour
- Good weather resistance for black compounds
- Very good flow characteristics
- Adhesion to PP

PROCESSING:

- like polyolefines
- processing temperature:
180°C to 220°C (max. 250°C)
- high injection speed and pressure

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