

GP/LP – General purpose, long-term performance

TYPICAL APPLICATIONS:

- application with high UV and weathering resistance
- windows encapsulation
- cable grommet
- dynamic and static seals

excellent heat resistance up to 140 °C for the most demanding applications

outstanding compressive stress relaxation

an exceptionally low long-term compression set

first-rate hysteresis behaviour combined with excellent compressive stress relaxation

adhesion to PP

excellent mechanical properties

GP/LP – General purpose, long-term performance, based on HSBC-V

	Colour	Hardness DIN 53505 / ISO 868 Sh A	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 ISO 34-1 method B (b) (Graves) N/mm	Compression Set ISO 815 %			
							72h / 23°C	24h/ 70°C	24h/ 100°C	24h/ 120°C
TV5LVZ	black	50	1.05	4.7	520.0	12.4	12.0	33.0	43.0	55.0
TV6LVZ	black	60	1.05	6.0	470.0	15.0	13.0	35.0	38.0	47.0
TV7LVZ	black	70	1.05	8.0	470.0	15.4	14.0	36.0	37.0	44.0
TV8LVZ	black	80	1.05	11.0	480.0	23.0	19.0	37.0	41.0	48.0
TV9LVZ	black	90	1.05	14.3	460.0	32.0	26.0	51.0	52.0	63.0
TV5LVN	natural	50	1.05	4.7	520.0	12.4	12.0	33.0	43.0	55.0
TV6LVN	natural	60	1.05	6.0	470.0	15.0	13.0	35.0	38.0	47.0
TV7LVN	natural	70	1.05	8.0	470.0	15.4	14.0	36.0	37.0	44.0
TV8LVN	natural	80	1.05	11.0	480.0	23.0	19.0	37.0	41.0	48.0
TV9LVN	natural	90	1.05	14.3	460.0	32.0	26.0	51.0	52.0	63.0

¹ Deviating from ISO 37 standard test piece S2 is tested with a traverse 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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MATERIAL ADVANTAGES:

- good UV- and weather resistance
- good scratch resistance
- excellent mechanical properties
- very good flow characteristics
- even surface, also at complex geometry
- adhesion to PP
- ideal for dynamic and static seals

PROCESSING:

- like polyolefines
- processing temperature: 180°C to 220°C (max. 250°C)
- high injection speed and pressure
- no pre drying
- for extrusion

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