## **Technical Data Sheet**



## **ALFATER XL A85I 1GP0000**

TPV-(EPDM+PP) (ISO 18064) Polymeric basis:

- Blend of EPDM-phase, finely dispersed in a polypropylene-matrix;

EPDM is fully cross-linked by dynamic vulcanization

Processing: Injection molding

> - Pre-drying: 2 - 4 ht 80 °C - Melt temperature: 195 - 215 ℃ - Mold temperature: 10 - 70 ℃ - Injection rate: high

Special properties: - Low permanent distortion after tensile stress and pressure

- high flexibility and useable mechanical properties about a wide temperature range

(depending on stress: -40 until 125 ℃)

- Good resistance against weathering influences and ozone

- Good resistance against many water solutions and alkaline medium - Excellent long-term ageing resistance against hot air until 125 ℃

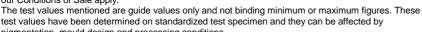
Properties	Test figures	Units	Standards
Physical properties Density	0.97	g/cm³	ISO 1183
Mechanical properties			
Shore-A hardness (15 sec.)	85		ISO 868
Tensile strength	9.8	MPa	ISO 37
Elongation at break	540	%	ISO 37
Stress at 100% strain	4.8	MPa	ISO 37
Compression set (22±2h / 100℃)	50	%	ISO 815

Tear strength: testing on punched test specimen S3 (crosswise to flow direction)

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test values have been determined on standardized test specimen and they can be affected by pigmentation, mould design and processing conditions.





Date of issue: 03.02.2010 Printing date: 03.02.2010 Page 1 of 1