

## ALFATER XL A85I 1GP0000

- Polymeric basis:** TPV-(EPDM+PP) (ISO 18064)  
 - 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 °C  
 - Mold temperature: 10 - 70 °C  
 - 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 °C)
  - 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 °C

Properties	Test figures	Units	Standards
<b>Physical properties</b>			
Density	0.97	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical properties</b>			
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°C)	50	%	ISO 815

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

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