



Plastic Technologie Service
 Marketing- & Vertriebs-GmbH
 Hautschenmühle 3
 D-91587 Adelshofen
 Fon +49-(0)9865-821
 Fax +49-(0)9865-720
 info@pts-marketing.de
 www.pts-marketing.de

PTS-MARKETING

TECHNICAL INFORMATION

PTS-THERMOFLEX 85 * 800 natur Thermoplast-Elastomer

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| PROPERTIES | UNIT | STANDARD | VALUES | |
|---|-------------------|------------|----------------|----------------|
| Hardness | Shore A | 53 505 | 86 | |
| | Shore D | 53 505 | | |
| Density | g/ccm | ISO 1183-1 | 1,14 | |
| Tensile Strength (md/pmd) | N/mm ² | 53 504 | 10/12 | |
| Modulus 10% (md/pmd) | N/mm ² | 53 504 | 2,6/2,1 | |
| Modulus 50% (md/pmd) | N/mm ² | 53 504 | 3,8/3,0 | |
| Modulus 100% (md/pmd) | N/mm ² | 53 504 | 3,9/3,3 | |
| Modulus 300% (md/pmd) | N/mm ² | 53 504 | 4,8/4,3 | |
| Elongation at Break (md/pmd) | % | 53 504 | 560/660 | |
| Tear Strength (md/pmd) | kN/m | ISO 34-1 B | 31/34 | |
| Lupke Resilience | % | 53 512 | 32 | |
| Mould-shrinkage (md/pmd) (test-plate 150*100*2 mm) | % | | 1,3/1,0 | |
| Compression Set | % | ISO 815 | 6mm/15% | |
| | | | - 70 h 23°C | 45 |
| | | | - 24 h 70°C | 55 |
| | | | - 24 h 100°C | 61 |
| After-shrinkage/hot air (md/pmd) (test-plate 150*100*2 mm) | % | PTS | | |
| | | | - 24 h 70°C | 0,2/0,0 |
| | | | - 24 h 100°C | 0,2/0,2 |
| | | | - 24 h 120°C | 0,5/0,2 |