Material
95 TPU H1005504

Version	Released on
03	09.10.2026

General Data

Colour: Blue

Physical Properties	Nominal Range	Typical Value	
Density ASTM D297	1.2 ±0.03	1.2	g/cm³
Hardness ASTM D2240, Shore A	95 ±5	95	Shore
Tensile strength ASTM D412		51	MPa
Elongation at break ASTM D412		512	%
Compression set ASTM D395,Prüfkörper B, 22 h, 100 °C		31	%

This data sheet supersedes all previous versions. The content is subject to change without prior notice. The given values are based on a limited number of tests on standard test pieces (e.g. 2mm sheets) produced in the laboratory. The data from finished parts can deviate from above values depending on the manufacturing process and the component geometry. The data represents our present empirical values. It is incumbent on the person placing the order to examine whether it is suitable for its intended purpose, before using the product. All questions regarding the guarantee of this product are in line with our terms and conditions, inasmuch as statutory provisions do not plan for something else.

Print date: 09.10.2026

Freudenberg Industrial Services GmbH
Global Material Technology
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Tested after ASTM D 2000: M 6 BG 9 10 A14 B14 EO14 EO34

ASTM Property		Nominal Range	Typical Value
Tensile strength	MPa	min. 10	51.4
Hardness	Shore	90 ±5	95
Elongation at break	%	min. 100	512.3
A14 Air 70.00h/100.00°C			
Elongation at break	%	-40	-12
Hardness	Shore	±15	1
Tensile strength	MPa	-20	-6.3
B14 22.00h/100.00°C			
Compression set	%	25	31
EO14 IRM 901 70.00h/100.00°C			
Tensile strength	MPa	-25	-11.2
Hardness	Shore	-5 to 15	1
Volume change	%	-10 to 5	-1
Elongation at break	%	-45	-10.1
EO34 IRM 903 70.00h/100.00°C			
Elongation at break	%	-45	-11.6
Hardness	Shore	0 to -20	-2
Volume change	%	0 to 35	2
Tensile strength	MPa	-45	-10.4

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Regulatory Material Information for 95 TPU H1005504

This overview reflects the current available conformity documents for this specific material only, applicable at the date of issue identified below, to the best of our knowledge. It is for information purposes only and does not replace the Declarations of Conformity (DoC) or other article or product-based assessments. The DoC are available upon request under the conditions, limitations, and validity periods specified therein.

Overview Material related documents:	**Release Date**	**Expiration Date**
ROHS and ELV	28.11.2019	10.02.2028

Issue Date: 09.10.2026
It is valid until the mentioned expiry dates or other legal changes become effective.

Disclaimer:

This declaration supersedes all previous versions. The content is subject to change without prior notice.

These declarations are based on our technical state of the art level of knowledge and the regulations applicable on the date of issuance. Recommendations for use or any other descriptions or technical characteristics do not constitute any kind of warranty or guarantee (within the meaning of §§ 434, 435, 443, 444 or 633, 639 of the German Civil Code (BGB)), whether express or implied, or of any fitness or suitability for a particular purpose. It is the user's sole responsibility to determine whether the provided information is appropriate and complete for its purposes and the intended use.

The user bears any product safety and product liability risk including risks of end users or consumers such as risk or danger for life, body or health including compliance with statutory or other regulatory or administrative requirements or technical norms relevant for the components or end products including e.g. declarations of conformity, certificates, approvals or third-party verifications, requirements regarding CE marking, market or product safety requirements or other regulatory requirements.

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Template Version 1.0 - Any dates are formatted (DD/MM/YYYY)

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