



**SPITA ResQ-tape Professional**

*Technical specifications*

Properties	Test method / Norm*	Test results**
Operating temperature	Continue	-75° C up to 280° C
Temperature range	Average	-90° C up to 285° C
Cold brittle point	ASTM D-2137	-95° C
Durometer hardness	Shore Durometer 50-60	56 (24 h room temperature)
Specific Gravity	1.11 – 1.17	1.14
Modulus @ 100%, psi	Continue	202
Tensile strength	ASTM D-412 (950 psi)	1431 psi (98 Bar)
Ultimate elongation	ASTM D-412 (300%)	422% average
Tear resistance	ASTM D-412	6,02 Bar
Pressure resistance	Average	16,9 Bar
Water absorption	Fed.Std601 (3% max)	0,14% average
Dielectric strength	ASTM D-419 (400 per mil)	649 per mil (mil = 0,025mm)

**SPITA ResQ-tape Classic, SPITA ResQ-tape Quick Repair**

*Technical specifications*

Properties	Test method / Norm*	Test results**
Operating temperature	Continue	-60° C up to 260° C
Temperature range	Average	-65° C up to 260° C
Cold brittle point	ASTM D-2137	-65° C
Durometer hardness	Shore Durometer 50-60	58 (24 h room temperature)
Specific Gravity	1.11 – 1.17	1.15
Modulus @ 100%, psi	Continue	203
Tensile strength	ASTM D-412 (950 psi)	1412 psi (97 Bar)
Ultimate elongation	ASTM D-412 (300%)	453% average
Tear resistance	ASTM D-412	5,86 Bar
Pressure resistance	Average	11,5 Bar
Water absorption	Fed.Std601 (3% max)	0,18% average
Dielectric strength	ASTM D-419 (400 per mil)	644 per mil (mil = 0,025mm)

**SPITA ResQ-tape Electrical**

*Technical specifications*

Properties	Test method / Norm*	Test results**
Operating temperature	Continue	-60° C up to 260° C
Cold brittle point	ASTM D-2137	-65° C
Tensile strength	ASTM D-1000-10	305 psi (21 Bar)
Ultimate elongation	ASTM D-412 (300%)	450% average
Tear resistance	ASTM D-412	2,15 Bar
Dielectric strength	ASTM D-1000-10	765 per mil (mil = 0,025mm)





**SPITA ResQ-tape Flame Retardant**

*Technical specifications*

Properties	Test method / Norm*	Test results**
Operating temperature	Continue	-60° C up to 260° C
Cold brittle point	ASTM D-2137	-65° C
Tensile strength	ASTM D-1000-10	700 psi (48 Bar)
Ultimate elongation	ASTM D-412 (300%)	300% average
Tear resistance	ASTM D-412	18 Bar
Dielectric strength	ASTM D-1000-10	845V per mil (mil = 0,025mm)

**SPITA ResQ-tape Industrial**

*Technical specifications*

Properties	Test method / Norm*	Test results**
Operating temperature	Continue	-60° C up to 260° C
Temperature range	Average	-65° C up to 260° C
Cold brittle point	ASTM D-2137	-65° C
Durometer hardness	Shore Durometer 50-60	58 (24 h room temperature)
Specific Gravity	1.11 – 1.17	1.15
Modulus @ 100%, psi	Continue	203
Tensile strength	ASTM D-412 (950 psi)	1412 psi (97 Bar)
Ultimate elongation	ASTM D-412 (300%)	352% average
Tear resistance	ASTM D-412	6,72 Bar
Pressure resistance	Average	13,8 Bar
Water absorption	Fed.Std601 (3% max)	0,18% average
Dielectric strength	ASTM D-419 (400 per mil)	644 per mil (mil = 0,025mm)

**SPITA ResQ-tape Heavy Duty**

*Technical specifications*

Properties	Test method / Norm*	Test results**
Operating temperature	Continue	-75° C up to 280° C
Temperature range	Average	-90° C up to 285° C
Cold brittle point	ASTM D-2137	-95° C
Durometer hardness	Shore Durometer 50-60	56 (24 h room temperature)
Specific Gravity	1.11 – 1.17	1.14
Modulus @ 100%, psi	Continue	202
Tensile strength	ASTM D-412 (950 psi)	1431 psi (98 Bar)
Ultimate elongation	ASTM D-412 (300%)	326% average
Tear resistance	ASTM D-412	7,16 Bar
Pressure resistance	Average	18,6 Bar
Water absorption	Fed.Std601 (3% max)	0,14% average
Dielectric strength	ASTM D-419 (400 per mil)	649 per mil (mil = 0,025mm)

\* The values (when stated) are the minimum requirements to pass the test.

\*\* The results are provided by two leading test institutes (SGS - USA and TÜV / TNO - The Netherlands).