



Bestellung, Fragen,
Wünsche?

Tel.: +49 (0) 481 42145 40

Fax: +49 (0) 481 42145 41

E-Mail: info@etrotec.de

Internet: www.etrotec.de

www.schrumpfschlauch24.de

Ihr Onlineshop für Schrumpfschläuche

Technical Data Sheet

Shrinkable Tubing S2455 (Black) Shrink Ratio 2:1

Halogen free, very flexible, flame retardant heat shrinkable tubing, -70°C bis +135°C

Material: Polyolefin, Surface: Matt, Marking: None

Property	TEST METHOD	Standard Requirements	Typical Value
Physical Properties			
Longitudinal Change	IR-94212A	+5% -15%	-5%
Specific Gravity	ASTM D 792	1.1 +/-0.1	1.1
Tensile Strength	ASTM D 638	16.7MPa +/-3.0	16.7MPa
Elongation at Break	ASTM D 638	550% +/-50%	550%
Secant Modulus	ASTM D 882	66.6MPa +/-4.9MPa	66.6MPa
Thermal Properties			
Continuous Operating Temperature		-70 bis 135°C	-70 bis 135°C
Min. Shrink Temperature for Full Recovery		90°C	90°C
Shrinking starts at		60°C	60°C
Heat Shock (225°C x 4h)	IR-94212A	no crack, flowing or dripping	pass
Elongation After Heat Ageing (135°C x 3000h)	IR-94212A	100% min.	178%
Low Temperature Flexibility (-70°C x 4h)	IR-94212A	no cracking	pass
Copper Corrosion (175°C x 16h)	IR-94212A	no corrosion	pass
Chemical Properties			
Flammability	FMVSS 302	pass	pass
Fluid Resistance (after immersion 23°C x 24h)	IR-94212A		pass
Electrical Properties			
Voltage Rating		n.a.	600V
Dielectric Voltage Withstand (2,5kV x 60s)	JIS 46911	pass	22kV/mm
Volume Resistivity	ASTM D 257	Min. 10 ¹⁴ Ω·cm	5,9x10 ¹⁵ Ω·cm
Other Properties			
Abrasion Resistance	IR-94212A		pass
Acid Gas When Burning	JCS No. 53	0mg/g	pass