

## TUBING

### ATUM (3:1 shrink ratio) Semi-flexible, high-shrink-ratio adhesive lined Polyolefin tubing

#### Applications

ATUM has an internal adhesive coating that, when heated, melts and flows to form a positive environmental barrier to prevent moisture penetration.

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Used to seal back-end connectors, wire splices, break-outs, cable jackets and electrical components.

#### Features & Benefits

- Environmentally seals and protects
- Excellent mechanical protection
- 3:1 shrink ratio
- Bonds to plastics, rubbers and metals, including PVC, polyethylene, rubber, and aluminium

#### Operating Temperature

- -55°C to +110°C

#### Installation

- Minimum shrink temperature +80°C
- Minimum full recovery +110°C

#### Dimensions (all dimensions are in mm)

Inside Diameter		Wall Thickness		Pack Size		Description
As Supplied (min)	After Heating (max)	Total Wall Recovery (nom)	Adhesive Wall Recovery	1.2m Lengths (STK)	Spools (SP)	
3.0	1.0	1.00	0.50	30m	150m	ATUM-3/1-0
6.0	2.0	1.00	0.50	30m	250m	ATUM-6/2-0
9.0	3.0	1.40	0.61	30m	200m	ATUM-9/3-0
12.0	4.0	1.78	0.76	30m	200m	ATUM-12/4-0
19.0	6.0	2.25	0.76	30m	150m	ATUM-19/6-0
24.0	8.0	2.54	1.02	30m	80m	ATUM-24/8-0
40.0	13.0	2.54	1.02	12m	60m	ATUM-40/13-0

**Note:** Wall thickness will be less if tubing recovery is restricted during shrinkage.

#### Ordering Information

Standard colour: 0 = Black.  
 Size selection: The largest size that will recover snugly over the component(s).  
 Standard packaging: 1.2m lengths (STK) & Spools (SP).  
 Ordering description: Specify product name, size, colour and packaging: e.g. ATUM-3/1-0-SP.  
 Ordering Example: 12mm inside diameter black tubing supplied in 1.2m lengths = ATUM-12/4-0-STK.



#### Specifications/Approvals

- RK-6024
- RW-2063
- AMS-DTL-23053/4 Class 3



### **ATUM (4:1 shrink ratio)** Semi-flexible, high-shrink-ratio adhesive lined Polyolefin tubing

#### Applications

ATUM has an internal adhesive coating, that when heated, melts and flows to form a positive environmental barrier to prevent moisture penetration.

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Used to seal back-end connectors, wire splices, break-outs, cable jackets and electrical components.

#### Features & Benefits

- Environmentally seals and protects
- Excellent mechanical protection
- 4:1 shrink ratio
- Bonds to plastics, rubbers and metals, including PVC, polyethylene, rubber & aluminium

#### Operating Temperature

- -55°C to +110°C

#### Installation

- Minimum shrink temperature +80°C
- Minimum full recovery +110°C

#### Specifications/Approvals

- RK-6024 (colours & clear)
- RW-2063 (black)
- ULE85381, 600V, 110°C (black only, except size 4/1)

#### Dimensions (all dimensions are in mm)

Inside Diameter		Wall Thickness		Pack Size		Description
As Supplied (min)	After Heating (max)	Total Wall Recovery (nom)	Adhesive Wall Recovery	1.2m Lengths (STK)	Spools (SP)	
4.0	1.0	1.00	0.50	30m	150m	ATUM-4/1-0
8.0	2.0	1.00	0.50	30m	200m	ATUM-8/2-0
12.0	3.0	1.40	0.60	30m	200m	ATUM-12/3-0
16.0	4.0	1.78	0.70	30m	200m	ATUM-16/4-0
24.0	6.0	2.25	0.80	30m	80m	ATUM-24/6-0
32.0	8.0	2.54	1.00	12m	60m	ATUM-32/8-0
52.0	13.0	2.54	1.00	6m	30m	ATUM-52/13-0

**Note:** Wall thickness will be less if tubing recovery is restricted during shrinkage. A high temperature version is also available, for more information please see the page on HTAT.

#### Ordering Information

Standard colour: 0 = Black.  
 Size selection: The largest size that will recover snugly over the component(s).  
 Standard packaging: 1.2m lengths (STK) & Spools (SP).  
 Ordering description: Specify product name, size, colour and packaging : e.g. ATUM-4/1-0-STK.  
 Ordering Example: 12mm inside diameter black tubing supplied in 1.2m lengths = ATUM-12/3-0-STK.