

RHW HEAT-SHRINKABLE, HEAVY WALL, POLYOLEFIN TUBING

REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
	FI	REDRAWN PER ECR-22-158635	18NOV2022	MB

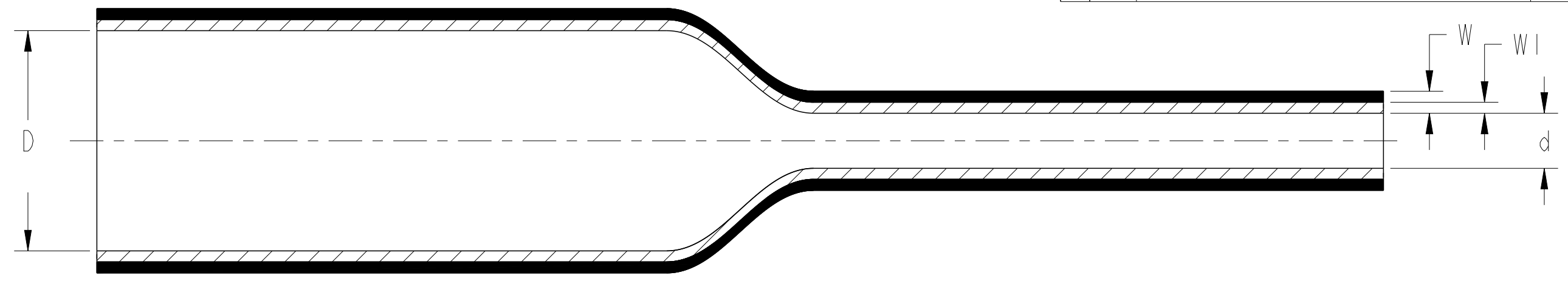
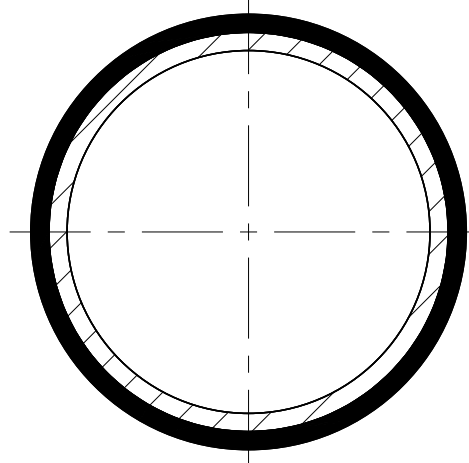


TABLE 1: DIMENSIONS

SIZE	MINIMUM EXPANDED I.D. (D)		MAXIMUM RECOVERED I.D. (d)		MINIMUM RECOVERED JACKET WALL (W MINUS WI)		NOMINAL RECOVERED ADHESIVE WALL (WI)	
	mm	In.	mm	In.	mm	in.	mm	In.
12/3	12.00	.472	3.00	.118	2.00	.079	0.25	.010
16/4	16.00	.630	4.00	.157	2.40	.094	0.30	.012
20/6	24.00	.945	6.00	.236	2.70	.106	0.35	.014
24/6	24.00	.945	6.00	.236	2.70	.106	0.35	.014
28/6	28.00	1.102	6.00	.236	2.70	.106	0.35	.014
34/8	34.00	1.339	8.00	.315	4.00	.157	0.35	.014
48/12	48.00	1.890	12.00	.472	4.50	.177	0.40	.016
56/16	56.00	2.205	16.00	.630	4.40	.173	0.40	.016
70/20	70.00	2.756	20.00	.787	4.40	.173	0.40	.016
90/25	90.00	3.543	25.00	.984	4.30	.169	0.40	.016
110/30	110.00	4.331	30.00	1.181	4.30	.169	0.45	.018
130/35	130.00	5.118	35.00	1.378	4.30	.169	0.45	.018
160/50	160.00	6.299	50.00	1.969	4.30	.169	0.45	.018
180/50	180.00	7.087	50.00	1.969	4.30	.169	0.50	.020
200/50	200.00	7.874	50.00	1.969	4.30	.169	0.50	.020
250/65	250.00	9.843	65.00	2.559	4.30	.169	0.50	.020
320/95	320.00	12.598	95.00	3.740	4.30	.169	0.60	.024
390/110	390.00	15.354	110.00	4.331	4.30	.169	0.60	.024

TABLE 2: PROPERTIES

PROPERTY	UNIT	REQUIREMENT	TEST METHOD
DIMENSIONS	mm/Inch	TABLE 1	ASTM D2671
TENSILE STRENGTH	psi (MPa)	1750 MINIMUM (12)	ASTM D2671
ULTIMATE ELONGATION	PERCENT	350 MINIMUM	ASTM D2671
LONGITUDINAL CHANGE	PERCENT	+5 TO -15 MAXIMUM	ASTM D2671
SPECIFIC GRAVITY	-	1.2 MAXIMUM	ASTM D792
HARDNESS	Shore D	40-60	ASTM D2240
LOW TEMPERATURE FLEXIBILITY 4 HRS @ -40°C	-	NO CRACKING	ASTM D2671
HEAT RESISTANCE 168 H @ 150°C FOLLOWED BY ULTIMATE ELONGATION	PERCENT	350 MINIMUM	ASTM D2671
FUNGUS GROWTH	-	RATING OF 1 OR LESS	ASTM G21
ELECTRICAL	-	-	-
DIELECTRIC STRENGTH	V/mil (kV/cm)	300 MINIMUM (118)	ASTM D149
VOLUME RESISTIVITY	Ohm-cm	1 X 10 ¹² MINIMUM	ASTM D257
CHEMICAL	-	-	-
FLUID RESISTANCE 168 HRS @ 23°C IMMERSION IN VDE 0370 OIL FOLLOWED BY TESTS FOR:	-	-	ASTM D2671
TENSILE STRENGTH	psi (MPa)	1450 MINIMUM (10)	
ULTIMATE ELONGATION	PERCENT	300 MINIMUM	
CORROSIVE EFFECT 16 HRS @ 150°C	-	NONCORROSIVE	ASTM D2671, PROC. A
WATER ABSORPTION 24 HRS @ 23°C	PERCENT	0.50 MAXIMUM	ASTM D570

MATERIAL: THE TUBING SHALL BE FABRICATED FROM A MODIFIED IRRADIATED POLYOLEFIN COMPOUNDED TO PRODUCE A HOMOGENEOUS, UNIFORM PRODUCT WHOSE OUTSIDE SURFACE IS ESSENTIALLY FREE FROM FLAWS, DEFECTS, PINHOLES, SEAMS, CRACKS, OR INCLUSIONS. THE INTERIOR WALL IS COATED WITH A THERMOPLASTIC ADHESIVE.

COLOR: BLACK

NOTE: ONLY AVAILABLE WITH ADHESIVE COATING.

TUBING CUT TO SPECIFIC LENGTHS CAN BE SUPPLIED FROM THE PRODUCT SIZES REFERENCED WITHIN THIS DRAWING.

STANDARD CUTTING TOLERANCES (mm)	
CUT LENGTH	TOLERANCE
Up to 9.90mm	±1.50mm
10mm to 24.90mm	±1.50mm
25mm to 54.90mm	±1.50mm
55mm to 99.90mm	±3.00mm
100mm to 149.90mm	±4.00mm
150mm to 499.90mm	±5.00mm
500mm AND GREATER	±25.40mm

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN BASAVARAJA D A 18NOV2022		NAME RHW HEAT-SHRINKABLE, HEAVY WALL, POLYOLEFIN TUBING
CHK SELVAPANDIAN B 18NOV2022		
APVD MAYO BAKARE 18NOV2022		
PRODUCT SPEC RK-6756		
MATERIAL SEE NOTE	SIZE A2	RESTRICTED TO -
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±.1 1 PLC ±.1 2 PLC ±0.01 3 PLC ±0.001 4 PLC ±0.0001 ANGLES ± FINISH -	SCALE NTS	SHEET OF 1
WEIGHT -	CAGE CODE -	REV FI
CUSTOMER DRAWING	SCALE NTS	SHEET OF 1