



Technical Data

Physical

Property	Test Method	Typical Performance
Tensile Strength	ASTM D412, ISO 37	2100 psi (14.5MPa)
Elongation	ASTM D412, ISO 37	550%
Longitudinal Change	ASTM D2671	+1%, -10%
Specific Gravity	ASTM D792, ISO/R1183	1.1
Elongation after Heat Aging (168 hrs at 150°C)	ASTM D2671, ISO 37	500%
Heat Shock (4hrs at 225°C)	ASTM D2671	No cracking or flowing
Low Temperature Flexibility (4hrs at -55°C)	ASTM D2671	No cracking
Hardness (Shore D)	ASTM D2240	50D

Electrical

Dielectric Strength	ASTM D149/ IEC 243	500 V/Mil (20kV/mm)
Dielectric Voltage Withstand (2500V, 60Hz, 1 min.)	UL 486D	No Breakdown
Volume Resistivity	ASTM D257	10 ¹⁶ ohm-cm

Chemical

Fluid Resistance	MIL-DTL-23053/5, ISO 1817, ISO 37	Good to Excellent
Copper Corrosion	ASTM D2671	No Corrosion
Water Absorption	ASTM D570	0.1%
Fungus Resistance	ASTM G21	No Growth

Adhesive

Adhesive softening point	ASTM E28	92°C +- 5°C
Adhesive peel strength (300mm/min at 23°C)	ASTM D1000	
- to steel, alum, P.E.	ASTM D1000	35 pli
- to PVC	ASTM D1000	20 pli
Adhesive Lap Shear (1in./min at 23°C)	ASTM D1002 (mod)	125 psi (0.875 MPa)
Adhesive Blocking (30°C)	ASTM D1146	No blocking
Water Penetration	STM 706	No penetration after 286 hrs. (min) of continuous immersion.

Dimensions

	EXPANDED		RECOVERED				APPLICATION RANGE FOR GENERAL USE		STANDARD LENGTHS	
	INTERNAL DIAMETER (MIN)		INTERNAL DIAMETER (MAX)		WALL THICKNESS (NOM)					
	mm	D IN	mm	d IN	mm	w IN	mm	IN	AA mm	BB IN
68112	10.2	0.40	3.8	0.15	2.0	0.080	4.5-8.5	.18-.34	1.2	6,48
68114	19.1	0.75	5.6	0.22	2.0	0.080	6.0-16.5	.24-.65	1.2	12,48
68116	27.9	1.10	10.2	0.40	2.0	0.080	11.5-25.0	.45-1.0	1.2	12,48
68118	33.0	1.30	10.2	0.40	2.0	0.080	11.5-30.0	.45-1.2	1.2	12,48
68120	38.1	1.50	12.7	0.50	2.0	0.080	14.0-35.0	.55-1.4	1.2	12,48
68122	43.2	1.70	12.7	0.50	2.0	0.080	14.0-40	.55-1.6	1.2	12,48
68124	52.1	2.05	19.1	0.75	2.0	0.080	21.0-45.0	.82-1.8	1.2	12,48
68126	69.9	2.75	25.4	1.00	2.0	0.080	30.0-63.0	1.2-2.5	1.2	12,48
68128	88.9	3.50	30.0	1.18	2.4	0.095	33.0-83.8	1.3-3.3	1.2	24,48
68130	119.4	4.70	39.9	1.57	2.7	0.105	40.6-114	1.6-4.5	1.2	24,48
68132	170.2	6.70	58.4	2.30	2.8	0.110	70-165	2.4-6.5	1.2	24,48

Morris Products Inc

53 Carey Rd, Queensbury, NY 12804