



TECHNICAL DATA SHEET

N11-SOFT

1730 NE Miller Street
 McMinnville, OR 97128
 (503) 434-5561

PROPERTIES	UNITS	TEST METHOD	VALUE
Density @ 23°C (73°F)		ISO R 1183 D	1.01
Melting point	°C	ASTM D 789	172 - 178
Water content at equilibrium 23°C and 50% RH 23°C in water	%	Manuf	0.4 0.7
Flexural properties: Flexural modulus Stress at maximum flexure Maximum flexure	MPa MPa Mm	ISO 178	175 9 25
Tensile properties: Strength at break Elongation at Break	Mpa %	ISO R 527 type I	39 350
Impact Strength notched @ +20°C notched @ -40°C	KJ.m ⁻²	ISO 179 (Charpy)	No break 5
Shore Hardness	D	ISO 868	53
Abrasion Resistance	mg	ASTM D 1044	35
Flame Resistance at -40°C, 7.5 J (thickness of test piece: 3,2 mm)		UL 94	HB

Properties on 8 x 1 tubing:

PROPERTIES	UNITS	TEST METHOD	VALUE
Tensile properties Elongation at break Strength at break	% Mpa	ISO R527	250 - 300 20 - 24
Hoop stress at: 20°C 60°C 80°C	Mpa Mpa Mpa		14.5 7.5 6
Minimum bend radius Flexibility	Mm N	SAE J 844d	21.4 6
Impact resistance at -40°C, 7.5 J Number of breaks		DIN 73378	NB

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