



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

TECHNICAL DATA SHEET

N11-SEMIRIGID

PROPERTIES	UNITS	TEST METHOD	VALUE
Density @ 23°C (73°F)		ISO R 1183 D	1.03
Melting point	°C °F	ASTM D 789	186 367
Moisture content At Equilibrium, 23°C and 50% rel. hum. 23°C in water (73°F)	% %	MANUF	0.9 1.9
Tensile Strength Stress at Yield Elongation at Yield Tensile at Break Elongation at Break	Mpa psi % Mpa psi %	ISO R 527	42 6,090 8 53 7,685 300
Flexure [6.4MM (1/4in) test bars] at Maximum Stress Maximum Stress Modulus of Elasticity	mm In Mpa psi Mpa psi	ISO 178	18 0.71 48 6,960 1,000 145,000
Impact Strength unnotched @ +23°C (73°) unnotched @ -40°C (-40°F) notched @ +23°C (73°F) notched @ -40°C (-40°F)	KJm ²	ISO 179 (Charpy)	No Break NB 50 -
Shore Hardness	D Scale	ISO 868	72
Vicat Point under 1 daN under 5 daN	°C °F °C °F	ISO 306	180 356 160 320
Heat Distortion Temperature (HDT) under load 0.46 Mpa (67 psi) 1.85 Mpa (268 psi) [6.4mm (1/4in.) bars]	°C °F °C °F	ISO 75	145 293 50 122

PVC 80A

Linear Coefficient of Thermal Expansion from -30°C to +50°C (-22°F to +122°F) from +50°C to +120°C (122°F to 248°F) [6.4mm (1/4in.) bars]	$10^{-5}K^{-1}$ $10^{-5}F^{-1}$ $10^{-5}K^{-1}$ $10^{-5}F^{-1}$	MANUF	8.5 5 15 8
Flame Resistance Thickness, test piece: 3.2mm (1/8 In.)		UL 94	V2

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