

Nels-Tek™ Physical Properties

Typical Properties

Physical	Test Method	Unit	Value
Thickness	Visual	MM	12.7-25
Density	D792	g/cm ³	.55-.60
Water Absorption	D570	%	≤1.0
Hardness	D2240	Shore D	≥50
Tensile Strength	D638	MPa	≥13
Elongation at Break	D638	%	≥7
Modulus of Elasticity	D638	MPa	NA*
Dielectric Strength	D149	KV/mm	≥9
Vicat Softening Temp	D1525	°C	≥72
UL 94	V-0		Passed
UL 94	5V		Passed
Coefficient of Linear expansion ASTM	D696	in./in./°F	3.2X10 ⁻⁵

* Missing values of Nels-Tek™ sheets cannot be determined in conformity with the standard by applying measurement techniques.

FIRE CHARACTERISTICS

Nels-Tek™ has an oxygen index value of 35%. Materials with a value greater than 28% are considered self extinguishing. Removal of an active flame will stop any burning. By comparison, birch has a value of 21% and oak carries a value of 23%.