



Quantity	Other Units	Multiply By	For SI Unit
Grammage (mass on ream basis)	Pounds per ream (lb/ream) per 3000 square feet (lb/3000 ft ²)	1.6275	Grams per square meter (g/m ²)
Grammage (mass in grams per square meter)	Pounds per 1000 square feet (lb/1000 ft ²)	4.8824	Grams per square meter (g/m ²)
Thickness	Millimetres (mm) Mils (or points or thousandths of an inch)	1000 25.4	Micrometers (µm)
Apparent density	Kilograms per cubic centimetre (g/cm ³) Pounds per cubic foot (lb/ft ³)	1000 16.01846	Kilograms per square meter (kg/m ²)
Tensile strength	Kilograms-force per 15 millimetre width (kgf/15 mm) Pounds-force per inch (lbf/in)	0.65378 0.175127	Kilonewtons per meter (kN/m)
Tensile index (replaced breaking length)	Kilometres breaking length (Km)	9.80665	Newtonmeters per gram (N m/g)
Tensile energy absorption (TEA)	Kilograms-force meters per square meter (Kgf m/m ²) Foot pinds-force per square foot (ft lbf/ft ²)	9.80665 14.5939	Joules per square meter (J/m ²)
Tearing strength	Grams-force (gf)	9.80665	Millinewtons (mN)
Tear index (replaced tear factor)	Computed as 100 grams-force per gram per square meter (100 gf(g/m ²))	0.0980665	Millinewtons sq. meters per gram (mN m ² /g)
Bursting strength	Kilograms-force per square centimetre (kgf/cm ²) Pounds-force per square inch - psi (lbf/in ²)	98.0665 6.89476	Kilopascals (kPa)



Burst index (replaced burst factor)	computed as grams-force per square centimetre per gram per square meter ((gf/cm ²)/(g/m ²))	0.0980665	Kilopascals sq. meters per gram (kPa m ² /g)
Z-direction strength properties (unit as appropriate)	Kilograms-force per square centimetre (kgf/cm ²) Pounds-force per square inch (lbf/in ²) Foot pounds-force per square inch (ft lbf/in ²)	98.0665 6.89476 2101.5	Kilopascals (kPa) Kilopascals (kPa) Joules per square meter (J/m ²)
Concora Medium Test (CMT)	Kilograms-force (kgf) Pounds-force (lbf)	9.80665 4.44822	Newtons (N)
Ring Crush Test (RCT)	Kilograms-force per centimetre (kgf/cm) Pounds-force (for a 6-inch length) (lbf/6 in)	0.980665 0.02919	Kilonewtons per meter (kN/m)
Edgewise compressive strength (ECT)	Pounds-force per inch (lbf/in)	0.175127	Kilonewtons per meter (kN/m)
Flat crush resistance of corrugated board (FCT)	Kilograms-force per square centimetre (kgf/cm ²)	98.0665	Kilopascals (kPa)
Flat crush resistance of corrugated board (FCT)	Pounds-force per square inch (lbf/in ²)	6.89476	Kilopascals (kPa)