Laser Toner Shelf Life â€“ What are the Causes ofToner Powdersâ€™ Expiration?

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Article published on December 12th 2011 | Hardware

Nearly all toner cartridges, whether OEM, compatible re-manufactured and even toner refills are transported with a shelf lifespan of 18 to 24 months. These merchandises arrive tightly bundled and stacked away in moisture proof parcels, evidently to forbid moisture, light, and heat from interfering with laser toner operation. However, the 18 to 24 months expiry date will not be survived if toner particles are left disclosed indefinitely. Warmth can induce toner to untimely mix as moisture can convert the toner particles soggy and a bit much vulnerability to light can completely wipe out the photosensitive attributes of toner. One of the following factors - moisture, light, and heat exposure would disqualify toner powder particles for laser printing.

Long-lasting packaging nevertheless is not perfect. Still when tightly bundled, toner will untimely mix and cluster together when exposed to excessive heat environments. Then no amount of shaking could loosen the toner particles from the ball. In this scenario, toner could no longer be utilized for laser printing since the particles are designated to act freely into the crannies on the photoreceptor drum surface. Nevertheless when toner is carried in tightly bundled containers and stacked away in an ideal setting of 75 degrees Fahrenheit at relative humidity of 50%, the merchandise can outlive the suggested lifespan and become suitable for use even beyond a decade.

Contrary to ink in inkjet cartridges where the jet nozzle endures the most and inclines to clog up when the printer is not utilized at least every week, toner powder charged with cartridges does not degenerate nor develop print flaws even when the laser printer is only utilized intermittently. For instance, the TN-460 toner cartridge loading the Brother HL toner cartridge, 1250, 1270N laser printers did not come out faulty printouts when utilized intermittently over a period of 5 years. This just goes to express that when toner is stacked away in a convenient environment, the particles could live on until the cartridge empties out. Its lifespan is consequently not conditional to the amount of years it is placed on custody.

The construct of replenishing used toner cartridges with compatible toner is an asset for consumers. The loaded toner can be utilized to print indefinitely, and without reference to any expiration date as long as temperature and humidity prerequisites are met. Furthermore, in reusing cartridges, the functional life of the unit can be prolonged for up to 3 print cycles. Additional prospect that promotes the consumable's trade is the pricing of the toner refill kit. Although the OEM TN-460 cartridge is retailed at $80, the refill bundle is sold for merely $14.95.

In the future, when your TN-460 cartridge drains of toner simply purchase a compatible Brother Toner refill kit and do not think about the expiration date printed on the bundle for this will not influence the operation of the merchandise as long as ideal storage circumstances are met.

Article Source:
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For your laser printing requirements, check out Toner Refill Store for its line of compatible ink

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Article Keywords:
brother laser toner refill, brother toner, toner for brother laser printers, refill brother toner cartridge

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