

Linerless TC 80 Phenol Free LLP 214

A white wood free, top-coated thermal paper, with a black imaging thermo-sensitive coating providing excellent resistance to moisture, fat, oil, alcohol, etc. The material is produced without any added PHENOLS. The paper has a siliconized surface. This thermal paper has a standard sensitivity, making it suitable for thermal print speeds between 100-200 mm/second, depending on printer settings.

Face Material Properties

Basis weight	78 ± 4 g/m ²	ISO 536
Caliper	84 ± 4 microns	ISO 534
Tensile strength (MD/CD)	>58 / >18 N/15mm	ISO 1924/2

Adhesive

LLP 214 A general purpose permanent adhesive designed for cutters or cutting equipment to prevent residue on the knife or set off on the platen roller.

LLP214 has good initial tack and adhesion on a wide variety of substrates, including apolar, slightly rough and curved substrates. Not advised for labelling highly plasticised materials, e.g. flexible PVC

Composition	rubber based hot melt
Minimum Application Temperature	8 °C
Service Temperature	-10 to +70 °C
Food contact	Meets composition requirement of indirect food additives regulation FDA 21-CRF 175.105

Linerless Laminate

Material Shelf Life	6-12 months stored at 20°C/50% RH non UV/Sunlight
Typical Laminate Caliper	98 microns ± 10%
Adhesive coat weight (FTM12)	14-15 g/m ² typical
Release force (FTM4)	30 cN/25 mm typical

Food Packaging Applications: The adhesive raw materials are listed under European/US food packaging regulations (BgVV XIV or FDA 21 175.105) and are safe for use in limited contact with foodstuffs.

Toy and Packaging Regulations: The materials used have been tested and comply with the current heavy metals regulations EN71-3 Safety of Toys and the UK Packaging (Essential Requirements) Regulations 1998.