



### TECHNICAL DATA SHEET

# Clarity® PHL 4150 (I)

Type of Adhesive Hot Melt Adhesive

**Product Benefits** – light colour, transparent and nearly odourless

excellent heat stability

excellent machinability even at low temperatures

excellent hot tack

good bonding strength even on cold or warm containers

suitable for PET-bottles with strong carbonated beverage

**Typical Applications** A high performance, pressure sensitive hot melt designed for

hard-to-bond substrates and demanding labelling applications, such as cold or wet containers. It has been developed for labelling of glass, plastic or metal containers. Especially suitable

for labelling of PET-bottles with strong carbonated beverage.

**Suitable substrates** Labelling of glass, steel- and plastic containers (PVC, PE, PET,

PP) with PP/PE-labels and high quality paper labels

## **Typical Properties**

Property	Value
Colour	Transparent, light yellow
Film	Soft-elastic, surface tacky
Viscosity	Brookfield: RV, Sp 21; ASTM D 3236-88
	approx. 1690 mPa*s (120°C)
	approx. 740 mPa*s (140°C)
	approx. 540 mPa*s (150°C)
Softening point	approx. 71 °C R&B - ASTM E28-99
Density	approx. 0.97 g/cm³ (20 °C)
Application temperature	130°C - 160°C
	When plastic-labels are used, the working temperature should
	be between 130°C and 140°C, to avoid a move of the foil.
Shelf life	24 months

Last Updated: 3/9/2015





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Application Instructions

Apply by nozzle; roller; wheel,- disc-systems.

Suitable for equipment from Krones (control, Canmatic), Langguth, KHS, Etitec, B&H, Trine, Alfaquattrorollo, CMS

Omme.

It runs well on magazine and roll-fed label stocks and shows

excellent performance on high speed lines.

It is important to ensure that the desired level of adhesion is obtained on the necessary substrates, including long-term tests.

Cleaning Instructions Please contact your local Sales Office for available cleaning

solutions.

Typical Packaging Please contact your local Sales Office for available packaging

options.

Storage Conditions In original sealed packaging protected from sun, dust, moisture

and high temperatures. The adhesive performance is not affected by a slight oily, sticky surface of the ZeroPack format.

**Disposal Advice** Please refer to the MSDS for disposal instructions.

**Safety Advice** Please refer to the MSDS for safety advice.

## Our Focus is Clear. Perfecting Adhesives.

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