NEWPACK Industrial Co
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TECHNICAL DATA SHEET (TDS)

Plastic Crate 40 × 50 × 14.5 cm



- Pallet holds 96 Crate
- Net capacity 10kg

Weight 550 g

Capacity 1980 Crate

1-Product Overview

A heavy-duty ventilated plastic crate designed for general agriculture, food handling, and logistics applications
High structural strength with reinforced ribs suitable for stacking and transport

2- Dimensions

Value	Parameter
cm 50	Length (L)
cm 40	Width (W)
cm 14.5	Height (H)

Internal usable volume
Approx. 26 – 27 Liters (depending on wall thickness)
Net Capacity (actual usable): 8–9 kg

3-Material

HDPE – High Density Polyethylene
(Virgin or Recycled Grade as per customer request)
Food-grade material (optional) compliant with
EU 10/2011
EC 1935/2004
GMP 2023/2006 (optional)



4-Mechanical Properties

Typical Value	Property
High	Impact Resistance
Medium	Flexibility
Optional UV10 Additive	UV Stabilization
mm (approx.) 3.5—2.5	Wall Thickness

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5-Structural Features

Reinforced corner pillars
Ventilated sides and base for air circulation
Ergonomic hand grips
Ribbed structure for stacking strength
Smooth edges for safe handling

6-Weight & Loading

Value Characteristic
g (depending on material grade) 550—500 Product Weight
kg 16—15 Safe Working Load (SWL)
kg 150—120 Stacking Load
Net Capacity (actual usable): 8–9 kg

7-Temperature Resistance

C to +60°C (HDPE standard)°20—
.Suitable for cold rooms & ambient storage

8-Applications

Fruits & vegetables
Dairy distribution
Food processing
Bakeries
Agriculture & farms
Light industrial use

9-Customization Options

Logo embossing
Color options
Virgin/Recycled blend control
Barcodes / QR codes
Sidewall thickness adjustments



10-Manufacturer

NewPack Industrial
Plastic Packaging Solutions – 6th of October City, Egyp