

# TECHNICAL DATA SHEET

Name

Code

**NUOVO DUCATO S3 C**

**60399NC S3S FO SR**

Product Range

Standard

EN ISO

Weight

Size range

Mondopoint

Packaging



S3 FO SR

20345:2022

620 grams  
(1 shoe in size 42)

35 <> 48

10,5

6 pairs/carton  
(same size)

## TECHNICAL SPECIFICATIONS



### SOLE

### SOLE FEATURES



DOUBLE FORMULA® soles feature a morpho-anatomical design, blending light, flexible PU foam midsoles with durable, grippy outsoles made of compact PU.



### PROTECTIVE ELEMENTS

### UPPER

### LINING

### FOOTBED



Safety toe cap made from composite material, shielding toes from impacts up to 200 Joules and compressions up to 15 kN. It is non-magnetic, non-conductive, and provides superior thermal insulation.



Protective plate made from multi-layer polyester, 40% lighter than steel, yet equally resistant up to 1,100 Newtons. It is non-magnetic, insulating and hypoallergenic.



A special tanning process involving a polyurethane film application makes this genuine leather completely water-resistant, offering enhanced protection.



Microfiber lining, treated to inhibit bacterial and microbial growth, boasts exceptional breathability and superior abrasion resistance.



Removable insole that distributes weight evenly, adapts to foot morphology and has anti-static, antibacterial, and antifungal properties. A cushioned heel insert adds comfort.

### EXTRA



## SAFETY TECHNICAL SPECIFICATIONS

Description	Measurement Unit	Requirement	Test Result
<b>TOE CAP:</b> Impact resistance	mm	≥ 14	16
<b>TOE CAP:</b> Compression resistance	mm	≥ 14	20,5
<b>ANTI-PUNCTURE PLATE:</b> Penetration resistance	N	≥ 1.100	1474
<b>FOOTWEAR:</b> Antistatic properties (in wet condition)	MΩ	≥ 0,1	21,4
<b>FOOTWEAR:</b> Antistatic properties (in dry condition)	MΩ	≤ 1.000	503
<b>UPPER:</b> Water vapour permeability	mg/cm2*h	≥ 0,8	1,5
<b>UPPER:</b> Water vapour coefficient	mg/cm2	≥ 15	19,2
<b>UPPER:</b> Water penetration after 60 min	g	≤ 0,2	0
<b>UPPER:</b> Water absorption after 60 min	%	≤ 30	2,2
<b>INTERNAL LINING:</b> Water vapour permeability	mg/(cm2*h)	≥ 2,0	68,2
<b>INTERNAL LINING:</b> Water vapour coefficient	mg/cm2	≥ 20	546
<b>OUTSOLE:</b> Abrasion resistance	mm3	≤ 150	44
<b>OUTSOLE:</b> Energy absorption of seat region (E)	J	≥ 20	34
<b>OUTSOLE:</b> Flexural resistance	mm	≤ 4	0
<b>OUTSOLE:</b> Interlayer bond strength	N/mm	≥ 4	6,3
<b>OUTSOLE:</b> Resistance to fuel oil (FO)	%	≤ 12	3,8

## ADDITIONAL FEATURES

Test	Measurement Unit	Requirement	Results
<b>Electrical resistance for ESD footwear</b> <small>Requirements IEC 61340-5-1:2016</small>	mA	≤ 1,00	-
<b>Resistance to hot contact (HRO)</b>	-	outsoles shall not melt and develop any cracks when bent	-
<b>Cold insulation of outsole complex (CI) 30min/-17°C</b> <small>(temperature decrease on the upper surface of the insock)</small>	°C	≤ 10	-
<b>Heat insulation of outsole complex (HI) 30min/150°C</b>	°C	≤ 22	-
<b>Water resistance (WR)</b> <small>(Total wetted area inside the footwear)</small>	cm2	after 80 min.	-
<b>Electric hazard resistance (EH) 18kV / 60 Hz</b> <small>(Electric flux)</small>	MΩ	≤ 100	-

## STORAGE, CARE AND MAINTENANCE

- PANDA SAFETY footwear should be stored in original packaging, storage temperature should not exceed 35°C, humidity should be less than 80% and without the influence of direct sunlight.
- Sandals, shoes and boots should be cleaned after each use; dry off the shoes, not in proximity to or in direct contact with stoves or other sources of heat.
- Carry out the periodic treatment of the uppers with suitable products containing wax, grease, silicone, etc.
- Avoid contact with aggressive chemicals and extreme temperatures.
- Verify the good state before each use.

## SOLE DESIGN AND PERFORMANCE



TRACTION STABILITY GRIP BRAKING SELF-CLEANING LADDER GRIP

ENERGY ABSORPTION COEFFICIENT IN THE HEEL AREA

0 MINIMUM VALUE REQUIRED 20 TEST RESULT 35 75%

## INDUSTRIES

