



DASOL 155

Round enamelled winding wire of copper, solderable, class 155

Product name:

Dasol 155 - Gr 1
Dasol 155 - Gr 2

Specifications:

IEC 60317-20

UL approval:

Approved: Dasol 155
UL-file no: E206884 (Slaska)

Class: 155

Temperature index ≥ 155 °C
Heat shock: ≥ 175 °C

Conductor material:

EN 1977 - ETP1 CW003 A
EN 1977 - ETP CW004A
ASTM B49 - ETP C11000/C11040

Insulation:

Basecoat: Polyurethane

Properties:

- Very good mechanical resistance
- Suitable in high speed winding machines
- Directly solderable

Field of application:

- Small motors and transformers
- Magnetic coils
- Control equipment

Dimension range:

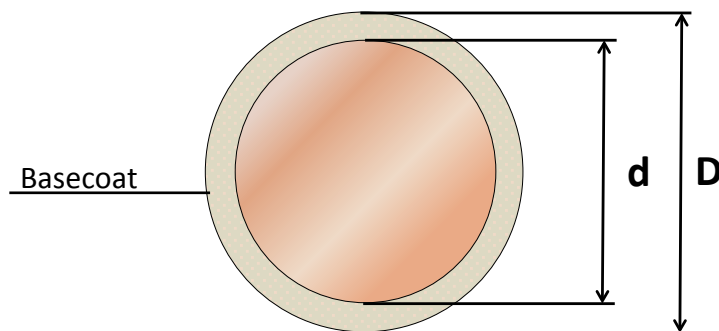
Dasol 155 Gr 1	$0,180 \leq \varnothing \leq 0,750$ mm
Dasol 155 Gr 2	$0,180 \leq \varnothing \leq 0,750$ mm

Standard packaging:

$0,180 \leq \varnothing \leq 0,750$ mm	K355, A250/400
	A315/500, A400/630

Shelf life:

8 years, under normal ambient conditions



D - d = Increase

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Properties for DASOL 155

Main characteristics	Test method	Acceptance criteria	Test values for a Dasol 155 sample (0,500 mm, Gr2)
<u>Thermal properties</u>			
Heat shock	IEC 60851 - 6.3	≥ 175 °C	≥ 175 °C
Cut-through	IEC 60851 - 6.4	≥ 200 °C	> 200 °C
Solderability	IEC 60851 - 4.5	390 °C	OK
Temperature index	IEC 60172	≥ 155 °C ¹⁾	≥ 155 °C ¹⁾
<u>Electrical properties</u>			
Conductor resistance	IEC 60851 - 5.3	0,01724 Ωmm ² /m	0,01724 Ωmm ² /m
Conductivity	1/R	> 58 m/(Ωmm ²)	> 58 m/(Ωmm ²)
Breakdown voltage	IEC 60851 - 5.4	IEC 60317-0-1 ²⁾	> 6,5 kV
<u>Mechanical properties</u>			
Elongation	IEC 60851-3.3	IEC 60317-0-1 ²⁾	> 38%
Springiness	IEC 60851-3.4	IEC 60317-0-1 ²⁾	< 42°
Flexibility	IEC 60851-3.5 Mandrel wind.	1x∅	15 % + 1x∅
<p>1. According to supplier certificate</p> <p>2. Values depend on dimension and grade</p>			<p>Values above are for information only. All values noted are typical and can vary between lots and dimensions.</p>

The technical data included is up to date at the time of printing.
LWW reserves the right to make any amendments deemed necessary

Liljedahl Winding Wire

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