

DASOL 155

Round enamelled winding wire of copper, solderable, class 155

Former designation:
SOLIDER

Product name:

Dasol 155 - Gr 1
Dasol 155 - Gr 2

Specifications:

IEC 60317-20

UL approval:

Approved: SOLIDER
UL-file no: E206884

Class: 155

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

Conductor material:

Cu according to EN 1977/ASTM B49

Insulation:

Basecoat: Polyurethane

Properties:

- Very good mechanical resistance
- Applicable to quck winding machine
- Solderable

Field of application:

- Small motors and transformers
- Magnetic coils
- Control equipment

Dimension range:

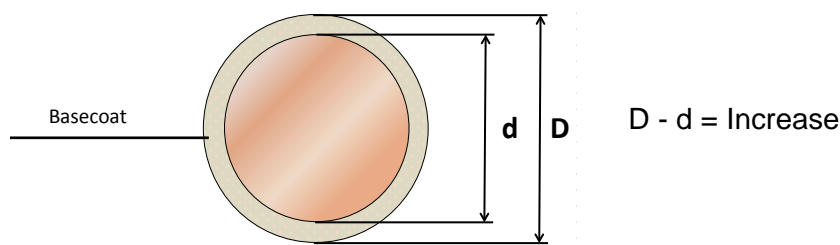
Dasol 155 Gr 1	$0,180 \leq \varnothing \leq 0,750$ mm
Dasol 155 Gr 2	$0,180 \leq \varnothing \leq 0,750$ mm

Standard packaging:

$0,180 \leq \varnothing \leq 0,750$ mm	K250, K355 A250, A315, A400
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Shelf life:

3 years, under normal ambient conditions



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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	0,01709 Ωmm ² /m	0,01709 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 winding)	0% elongation + 1x∅	15 % + 1x∅
1. According to supplier certificate 2. Values depend on dimension and grade			Values above are for information only. All values noted are typical and can vary between lots and dimensions.

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

Liljedahl Winding Wire