

P2654 Polyurethane casting resin



P2654 is specially designed for cable joints up to 1kV. P2654 has good anti corrosion properties and shows excellent adhesion to metals, ceramics, and many different plastics. P2654 can be used in any cast resin joints for all cables types including paper & plastic insulated cables.

Features

- Type tested according to: IEC 60455-3-8:2013
- High resistance against UV, chemicals and earth alkalines
- High hydrolysis resistance
- No halogens and plasticizers
- Good visibility of the mixing process through the transparent packaging
- High impact resistance
- Low curing temperature
- No toxic emission
- Good adhesion to all cable materials
- Recommended operating temperature between 0°C and +35°C
- Storage temperature between +10°C and +35°C, short term between -10°C and +50°C
- Excellent curing characteristics

Specifications

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Properties	Unit	Value	Test Method
Potlife (process time)			
0.3 l at 5°C	minutes	28	IEC 60455-2
0.3 l at 40°C	minutes	9	IEC 60455-2
Viscosity mixture 25°C	Mpa.s	3000 - 6000	
Gel-time	minutes	14	
Density	g / cm ³	1,52	EN ISO 1183-1
Impact strength	kJ/m ²	36,4 (no break)	EN ISO 179
Hardness	Shore D	41	EN ISO 868
Tensile strength	MPa	7.07	EN ISO 527
Elongation at break	%	40	EN ISO 527
Water absorption (30d/23°C)	%	< 1,0	
Curing in the presence of water - Gas volume	ml	0	IEC 60455-2
Dielectric strength	kV / mm	> 20	
Volume resistivity at room temperature	Ohm	9x10 ¹⁴	IEC 60093
Volume shrinkage	%	0,33	
Temperature resistance	°C	-25 tot +120	
Shelf life	months	24	
colour		black	
Mixing time	minutes	2	
Dry heat resistance: 28 days at 120°C			IEC 60455-2
Mass loss	%	0.79	HD 631.1 S2: 2007-12
Impact strength	kJ/m ²	19.8	EN ISO 179
Wet heat resistance: 28 days at 70°C			IEC 60455-2

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Hardness	Shore D	48.9	EN ISO 868
Tensile strength	MPa	7.02	EN ISO 527
Elongation at break	%	36	EN ISO 527
Dielectric strength	kV/mm	19.74	EN 60243-1

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More info

[Download: Mixing instructions](#)



Products

Art.nr.	Product Name	Colour	Content	Order unit
200200	P2654 - 200ml	black	200ml	15 pcs/carton
200350	P2654 - 350ml	black	350ml	10 pcs/carton
200450	P2654 - 450ml	black	450ml	10 pcs/carton
200750	P2654 - 750ml	black	750ml	6 pcs/carton
201200	P2654 - 1200ml	black	1200ml	3 pcs/carton
201500	P2654 - 1500ml	black	1500ml	1 pcs/carton
202000	P2654 - 2000ml	black	2000ml	2 pcs/carton