



Polythene Resin - PU238

The PU238 resin system has been specifically developed for the encapsulation of electronics, light electrical applications and cable joints. The system is available in a number of formats for delivery but the acclaimed twinpack system is the preferred method of supply for the cable joint kit. The resin and supply method offers the following benefits for the specifier and end user:

- No wastage, each cable joint kit comes with a pre-determined pack size or combination of packs to suit the size of cable joint installation being undertaken
- No mess easy to use 'mix in the bag' system
- Pre-filled packs ensure the correct mix ratio each time
- Twinpack system removes the operator from the raw materials during the mixing process helping from the health and safety point of view
- Resin system currently under test to BS7888

Part No.	Description
YCJGRP80	Cable Joint Kit Spare Resin Pack 80ml
YCJGRP200	Cable Joint Kit Spare Resin Pack 200ml
YCJGRP300	Cable Joint Kit Spare Resin Pack 300ml
YCJGRP550	Cable Joint Kit Spare Resin Pack 550ml
YCJGRP1000	Cable Joint Kit Spare Resin Pack 1000ml
YCJGRP2000	Cable Joint Kit Spare Resin Pack 2000ml
YCJGRP3000	Cable Joint Kit Spare Resin Pack 3000ml



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This is a two part polyurethane system primarily designed for electrical encapsulation. The resin and hardener are mixed in the ratio: 6.4:1 by weight.

Colour Of Mixed System	Beige
Density Of Resin	1.44
Density Of Hardener	1.23
Density Of Mixed System	1.41
Viscosity Of Resin	4800 - 5000cps spindle 6 @ 25
Viscosity Of Hardener	180 - 240cps spindle 6 @ 25°
Viscosity Of Mixed System	3000 - 3300cps spindle 6 @25
Pot Life	15 - 20 minutes 0.5 litre @ 25
Gel Time	20 - 25 minutes 0.5 litre @ 25
Full Cure	48 hours @ 25°C
Peak Exotherm	60 - 65°C *150g mass)
Shore D Hardness After 24 Hours At Room Temperature	A: 60 B: 55
* Gel time is very much dependent upon ambient temperature and mixing time.	

Characteristics Of Mixed System	
Tear Strength	10 N/mm ²
Tensile Strength	12 N/mm ²
Ultimate Elongation	3%
Volume Resistivity	1010 Ohms mm
Surface Resistivity	1010 Ohms mm
Thermal Conductivity	0.9W/(m°C)
Maximum Continuous	80°C
Operating Temperature	10KV/mm
Dielectric Strength	10mg @ 25°C, 24 hours
Water Absorbntion Rate	1000mg @ 50°C, 42 days
Adhesive Strength To Pvc	A: 60 B: 55
Adhesive Strength To Xlpe	4 N/mm ²
Adhesive Strength To Lead	2 N/mm ²
Adhesive Strength To Aluminium	10 N/mm ²
Adhesive Strength To Copper	11 N/mm ²

CLEANING EQUIPMENT

All equipment should be cleaned before the compound has hardened

STORAGE

The resin and hardener should be stored seperately in tightly sealed metal containers until required for use. The shelf life of this material is 24 months unless otherwise stated on the label. preffered storage temperature is below 35°C but must not be allowed to reach freezing.