



## FLEXIBLE PVC COMPOUNDS

### PT Riken Indonesia – Rapindo

eXsource has teamed with PT Riken – Rapindo of Indonesia to provide high quality, cost-effective PVC compound solutions to its customers in Australia and New Zealand.

After 20 years in the business, Rapindo has made a name for itself as a global player in the world of PVC compounds supplying the automotive, wire & cable and medical industries. Rapindo is part of the leading global PVC compound manufacturer, Riken Technos. Product development and high quality are the twin pillars of Rapindo's excellence contributing to its rapid growth and worldwide success.

Rapindo PVC-C product is processed using cutting edge technology and the latest in modern compounding machinery. A start-of-the-art facility ensures efficient processing and precise testing allowing for Rapindo PVC-C product to be cost competitive whilst maintaining the highest quality.

All raw materials are selected in consultation with the Riken Technos Standard for environmentally sound procurement based on international guidelines for environmental protection and sustainability.

eXsource is now a signatory to the PVC Stewardship Program and has been awarded silver commendation, recognizing eXsource's involvement in improving the health and environmental impacts of vinyl products.



PVC STEWARDSHIP

### Product Solutions

Rapindo provides custom designed PVC compounds to suit the needs of the market here in Australia and New Zealand. Rapindo currently supplies products in a range of applications including:

- Plumbing and Hoses
- Electrical and Communication Cabling
- Medical Devices
- Imitation Leather
- Flooring
- Signage.

A small range of grades are available 'off the shelf', though the preferred methodology is to create bespoke materials. This ensures the product will suit your specific product characteristics and application requirements. It is a genuinely tailored solution. Rapindo technicians can analyse product examples and provide a sample and specification for approval. See below for examples of grades available from Rapindo.

## PVC Compound Technical Data Sheet

<b>Features</b>		<ul style="list-style-type: none"> <li>• RoHS compliance requirement</li> <li>• Non DOP Plasticizer Type</li> </ul>							
<b>Typical Physical Properties</b>		<ul style="list-style-type: none"> <li>• The following data should be considered representative or typical only and should not be used for specification purposes.</li> <li>• The following data are based on the result of material tests, the accuracy or completeness of such information for the finished product is not guaranteed, depending on extrusion machine type and machine operation condition of each customer.</li> </ul>							
Test item		Extrusion application for water/air hose		Extrusion application for sheathing cable		Extrusion application for V-90HT Insulation	Extrusion application for Tube Product		
Grade	Unit	EL226A	EL227A	SL278A	SL280A	IL231A	ET015C	Test Method	
Specific Gravity		-	1.39	1.3	1.26	1.4	1.39	1.22	JIS K 7112
Tensile Test	Tensile Strength	MPa	16.5	20	16	20	20	19.6	JIS K 6723/IEC 60811 AS1660
	Elongation	%	320	320	400	300	300	390	
Tensile Test After Aging	Residual Tensile Strength Rate	%	90	95	93	97	85	92	JIS K 6723 100°C X 120 hr IEC60811 100°C X 168 hr AS1660 120°C X 504 hr
	Residual Elongation Rate	%	88	93	85	93	75	90	
Heat Stability		hr	4	4	1.3	1.5	1.5	3	JIS K 6723/IEC60811 at 200°C
Hardness		HDA	76	78	82	85	85	75	JIS K 7215 15 sec

### Note:

- V-90HT is designated compounds for insulation are suitable for a max permissible conductor temperature of 90°C.

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### Disclaimer

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