

Data Sheet – Rigid Food Grade PVC

Country of Manufacture	China
Manufacturer	Berconia – division of Rockman Co. The factory is Chenghai Hua Xiang Plastic Co. Ltd. Factory has both ISO9001 and ISO14000 Accreditation.
Applications	Punnets, Blister Packs, Clam Packs, Food Packaging, Boxes, Cylinders, Laminating etc..
Visual Properties	Clear, faintly bluish. High gloss level both sides.
Colour Availability	Black, white and other colours available on request. PMS number is sufficient for matching.
Technical Properties	Readily thermoformed on Vacuum and Pressure forming machinery.
Grades	Standard product is Food Grade Deep Draw. Other grades available include Fabrication, Low Temperature (to -40c), High Temperature, Print Grade, Laminating Grade etc.
Roll Widths available	220mm to 1500mm
Gauges available	.03mm to 1.0mm
Specific Weight	1.35 +- 0.003 (Clear)
Impact Strength	3.00 +-0.2lb – in/mil
Tensile Strength	450kg/cm ²
Flexural Strength	120% - 150%
Vicat Softening Point	72c

Thermoforming Temperature	150c +- 20c
Vapour Permeability (With 38C & 90%R.H.)	2.9g/m2 / 24 hr.
Elastic Modulus	330000 – 350000
Viscosity	160
VCM Content	Below 1 PPM

These values are dependent upon the actual thermoforming process involved, temperature employed, machine cycle, machine model etc.

The average values and properties listed above are the result of frequent laboratory and on-site tests and, to the best of our knowledge, apply to all Rigid PVC supplied by us. However, this does not render us liable for any results obtained from the use of this material.

Formulation

Vinyl Chloride Monomer	Does not exceed 5mg / kg. (Below 1 PPM)
Percentage of Vinyl Chloride units	Not less than 50%
Other monomers, added polymers and polymer blends	Nil
Colourants	Nil (Clear)
Polymerization Inhibitors	Only permitted additives in permitted amounts specified in AS2070.2 are used.
Emulsifying Agents	Nil
Suspension Agents	Permissible suspension agents are used. Their total mass content does not exceed 1% by mass of the PVC resin.
Polymeric Additives	Nil
Chain Transfer Agents	Nil
Miscellaneous Additives	Only additives in permitted amounts as

specified in AS2070.2 are used.

Coatings

Silicon coating used is Food Grade, and complies with AS2070.2.

Declaration

The Rigid PVC film detailed on these data sheets complies with Australian Standard AS2070.2 – Plastic Material for Food Contact Use – Part 2: Poly (Vinyl Chloride) compound and resin.

The Rigid PVC film has been tested by independent laboratories and found to be compliant with USFDA regulations. (Section CFR 21 175-300).