

Technical Data Sheet

AR P110P

Application

AR P110P is a four components blended polyol which is pentane system and mainly used to produce continuous sandwich panels, corrugated panels etc, which applies to make cold stores, cabinets, portable shelters and so on. The foam has good thermal insulation property, light in weight, high compression strength and flame retardant and other advantages.

Liquid Components Properties

Property	Blended Polyol	Isocyanate
Colour	Light yellow to brown liquid	Brown
Hydroxyl value mgKOH/g	280-360	/
Viscosity @ 25°C mPa.S	1000-1600	200-250
Specific gravity @ 20°C g/ml	1.10-1.20	1.20-1.25
Storage temperature °C	10-25	10-25
Shelf life	6 months	12 months

Technical Condition

Blended Polyol: Pentane: Cat: Isocyanate MDI	100:8-12:2-5: 140-150
Raw material temperature °C	20-25
Moulding temperature °C	40-50

Technology and Reactivity (the exact value varies depending on processing conditions)

Items	Cup Test	High Pressure machine
Cream time s	6-20	4-16
Gel time s	30-70	25-55
Free density kg/m3	28-33	27-32

Foam Performance

Moulding density	ASTM D1622	≥38kg/m³
Close-cell rate	ASTM D2856	≥90%
Thermal conductivity (15℃)	ASTM C518	≤22mW/(m.K)
Compression strength	ASTM D 1621	≥140kPa
Dimensional stability 24h -20℃	ASTM D2126	≤1%
24h 100℃		≤1.5%
Flame Resistance	DIN 4102	B3

Package

200kg/drum or 1000kg/IBC.