



ORTHOPHTHALIC RESIN (GRP-607BP)

Physical properties of liquid resin

Property	specifications	unit
Appearance	Clear	-
Viscosity (25 °C)	450-550	mPa.s
Solid	64±1	%
Acid number	<25	Mg KOH/g
Color	< 2	Gardner
Shelf life at 25°C	6	months

Curing properties

Property	specifications	unit
Gel time 0.25% CO 6% + 2% MEKP (Butanox M60)	7-9	minutes
Curing time	25-35	minutes
Exothermic peak	150-175	°C

Mechanical and Physical properties of cured resin

Property	specifications	unit	Test method
Barcol hardness	40-45	-	ASTM D2583
Tensile strength	70	MPa	ASTM D638
Elongation at break	2-3	%	
Flexural strength	120	MPa	ASTM D790
Elongation at break	3-4	%	
HDT	80	C°	ASTM D648