

Synthepol Ortho Infusion Resin

Technical Datasheet

Product: **Synthepol Ortho Infusion Resin**
Product Code: P1210X Available in Clear, White, Black, Grey
Sizes: 4kg, 20kg & 220kg
Uses: Synthepol Infusion resin is Orthophthalic polyester based and designed for infusion or vacuum bagging applications

Typical Liquid Resin Properties:

Property	Typical Value	Test details
Appearance	Clear Pink/Red	Visual
Viscosity at 25°C	120 – 180 cP	Brookfield #3/100 @ 25°C
Gel Time	35-45 minutes	Using 1% M50
Density	1.10 g/m ³	@25 °C
Flash Point	31°C	Setaflash
Volatile Content	40 - 44%	Loss on ignition (LOI)
Shelf Life	6 Months	When stored out of direct sunlight below 25 °C

Typical Cast Unfilled Resin Properties:

Property	Typical Value	Test details
Density	1.2 g/m ³	ISO R1183
Volume Shrinkage	<7%	Optical microscopy
Heat Deflection Temp (HDT)	65°C	ISO 75
Barcol Hardness	40-45	934.1 Impressor

Store in a locked secure dangerous goods area away from any heat source or ignition source

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