



**TYPICAL PHYSICAL
PROPERTIES OF WEST
SYSTEM EPOXY**

TYPICAL PROPERTIES

WEST SYSTEM Epoxy

Resin/Hardener		105/205 Standard	105/206 Slow	105/207 Special Coating	105/209 Extra Slow
Mix Ratio					
Resin:Hardener By Weight		5:1	5:1	3:1	3:1
Mixed Viscosity	mPas	975	725	775	725
Pot Life 100g mix@ 25°C	Minutes	12	21.5	26.5	51
Min Workin Temp	°C	5	16	16	18
Cure To Solid State	Hours	5-7	9-12	9-12	20-24
Cure To Max Strength	Days	5-7	5-7	5-7	5-9
Shore D 1 day		80	80	78	70
Shore D 14 days		83	83	82	82
Tensile Strength	MPa	54.09	50.46	51.77	50.59
Elongation	%	3.4	4.5	3.4	3.5
Tensile Modulus	GPa	2.81	3.17	2.82	2.96
Flexural Strength	MPa	97.29	81.42	89.73	86.86
Flexural Modulus	GPa	3.18	3.10	3.54	2.95
Compressive Yield					
1 Day	MPa	69.77	55.08	41.46	8.45
14 days	MPa	78.72	79.28	74.72	69.17
HDT	°C	47.78	50.56	47.78	46.67
On Set of Tg by DSC	°C	53.89	52.23	50.56	49.45
Ultimate Tg by DSC	°C	61.12	59.45	58.34	56.67
Izod Impact	J/m	49.66	28.84	67.82	58.74

These are typical properties and cannot be construed as a specification. The end users should test the products to ensure the products are suitable for the intended application. Any information, data, advice or recommendation published by Wessex Resins by other means and whether relating to Wessex Resins' materials or other materials, is given in good faith and believed to be reliable.

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