

Condensation (Moisture) Cure Adhesives

Momentive's condensation cure adhesives cure at room temperature to form a strong bond to most plastic and metal substrates. They offer short tack free times that may contribute to productivity in high volume manufacturing.

Property	Units	Snapsil* TN3005	Snapsil TN3085	Snapsil TN3305	Snapsil TN3705
Cure Type		1P Condensation cure	1P Condensation cure	1P Condensation cure	1P Condensation cure
Cure Chemistry		Ti Alcohol	Ti Alcohol	Ti Alcohol	Ti Alcohol
Flowability		Thixotropic paste	Non-flowable paste	Flowable	Flowable
Viscosity	Pa·s (cps)	-	-	47 (47,000)	1.5 (1,500)
Tack Free Time	min	7	7	9	7

Cured Properties (3 days @ 23°C, 50% RH)

Property	Units	Clear, White, Black	Gray, White	Clear, White, Black	Clear, White, Black
Color		Clear, White, Black	Gray, White	Clear, White, Black	Clear, White, Black
Density	g/cm ³ (23°C)	1.04	1.63	1.04	1.01
Hardness	Type A	22	46	14	13
Adhesion Strength ⁽¹⁾	MPa (psi)	1.2 (174)	1.3 (189)	1.0 (145)	0.2 (29)
Elongation	%	330	150	400	130
Tensile Strength	MPa (psi)	1.8 (261)	2.3 (333)	1.5 (217)	0.4 (58)
Thermal Conductivity	W/m·K	0.18	0.7	0.18	0.18
Volume Resistivity	MΩ·m	2.0 x 10 ⁷	4.0 x 10 ⁶	2.0 x 10 ⁷	2.0 x 10 ⁷
Dielectric Strength	KV/mm	26	23	26	26
Dielectric Constant (60Hz)		2.7	4.0	2.7	2.7
Dissipation Factor (60Hz)		0.002	0.04	0.002	0.002
Volatile Siloxane ⁽²⁾ (D3-D10)	wt%	0.01	0.01	0.01	0.01
UL Recognition		-	UL94 V-0	UL94 HB	-

¹ Glass lap shear, 7 days @ 23°C, 50%RH

² In-house test method

Snapsil TN3085 and Snapsil Tn3305 silicone rubber compounds are recognized by Underwriters Laboratories, Inc. under their Component Recognition Program (UL File Number QMFZ2.E56745).

Typical data are average data and should not be considered specifications. Actual values may vary.



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