

Physical Properties Bulletin

Poly Plasti-Flex & Poly LiteCast Plastic Products

Product	Poly Plasti-Flex	Poly LiteCast
Mix Ratio By Weight (By Volume)	35A:100B	1A:1B (1A:1B)
Part A Color	Brown ¹	Brown ¹
Part B Color	Off White ¹	White ¹
Mix Viscosity, cP	3000	2480
Pot Life, min	3	5
Maximum Exotherm, °F (°C)	190 (88)	251 (122)
Demold Time	15 Minutes	½ - 4 hr
Total Cure Time	7 Days	7 Days
Linear Shrinkage	*	*
Specific Gravity	0.81	0.78
Shore Hardness	~A90	D55
Tensile Strength, psi (mPA)	1330	2,398 (16.5)
Elastic Modulus, psi (mPA)	29,450	105,470 (727.4)
Flexural Strength, 5% Strain, psi (mPA)	NA	4,402 (30.4)
Flexural Modulus psi (mPA)	NA	16,630 (114.7)
Heat Deflection Temperature, °F (°C)	NA	ND
% Elongation	81	3.0

¹ Component requires stirring before use.

* Shrinkage is primarily caused by gelling while hot then cooling. Parts that cure with minimal temperature rise exhibit minimal shrinkage. Reported shrinkage is inch/inch.

Conventions: °C = (°F -32) x 0.57
 psi/145 = MPa (megaPascals)
 pli x .1751 = kN/m (kiloNewtons per meter)
 ND = Not Determined

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