

Flexible oligomers

Example Thermoplastics

HDPE

LDPE

PP



For resins that need bendability without permanent deformation, Sartomer® flexible oligomers deliver high elongation, impact resistance, and durability. They are engineered to create lightweight, resilient printed parts that can endure repeated use and moderate stress while retaining shape and performance.

SELECTED OLIGOMERS FOR 3D PRINTING

Neat Properties

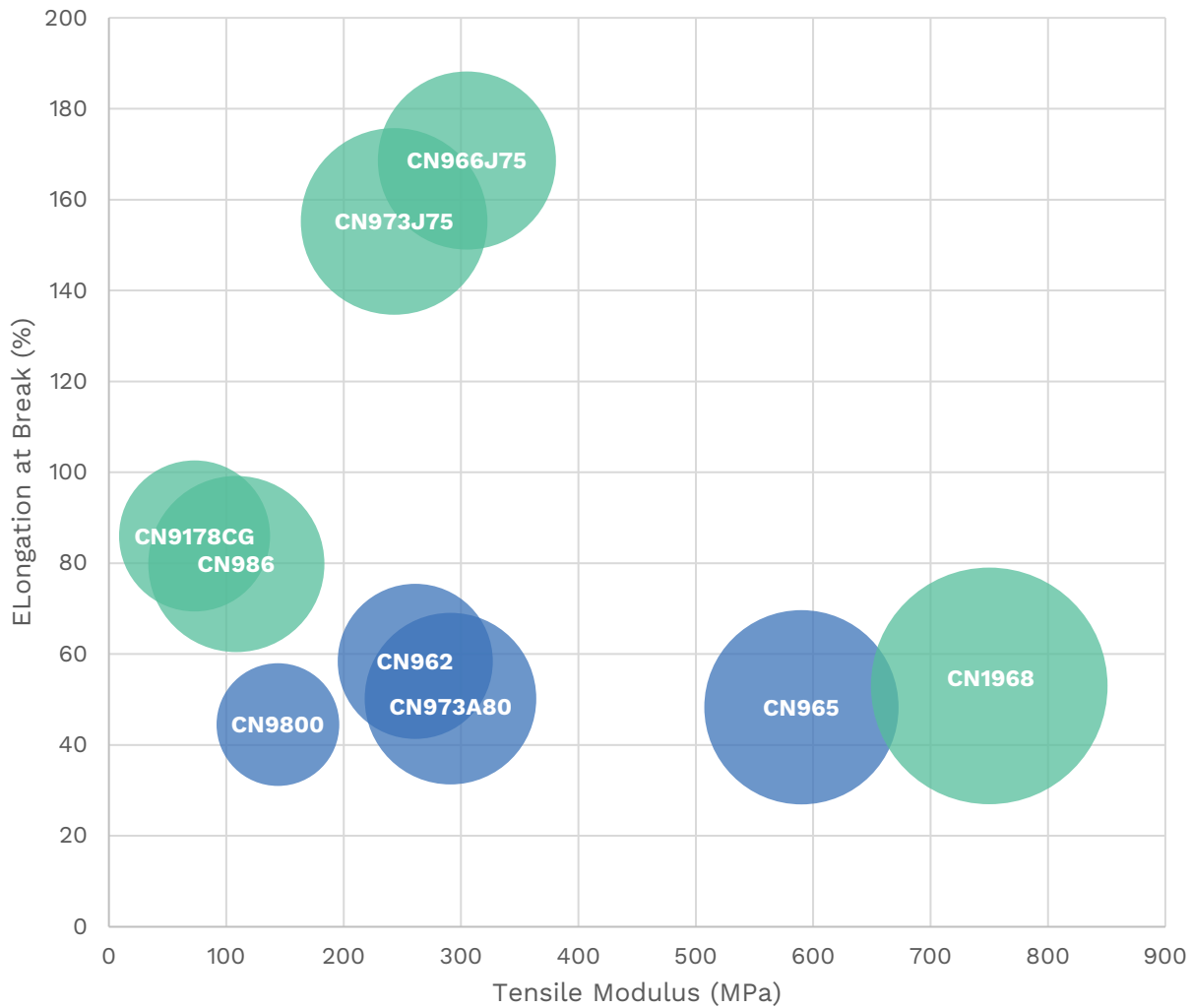
	CN1968	CN966J75	CN9178CG	CN986	CN973J75
Functionality	2	2	2	2	2
Viscosity, 60°C (cP)	8500	4200	2000	5500	6050
Tg, DSC (°C)	75	-33	-7	-40	-31

40% Sarbio® 5102 (IBOA) Dilution

	CN1968	CN966J75	CN9178CG	CN986	CN973J75
Viscosity, 25°C (cP)	3420	1700	1470	3200	1810
Tensile Modulus (MPa)	750	310	73	110	243
Tensile Strength (MPa)	27	15	11	15	17
Elongation (%)	53	169	86	80	155
Tg, Peak Tan Delta (°C)	68	-12	44	45	-
Availability	US	Global	Global	US	Global
Highlights	Transparent	Elasticity, low yellowing	Low viscosity	Balanced performance	Water resistance

* Contact your local sales manager for product availability or replacements in other regions.

FLEXIBLE OLIGOMERS: TENSILE MODULUS VS. ELONGATION



*Bubble size = Tensile Strength



To discover our full portfolio of UV 3D printing materials, download our literature

sartomer.arkema.com

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