

Water resistant oligomers



Water-resistant UV oligomers enable the development of 3D printing resins that maintain mechanical integrity and performance even in humid or wet environments. Sartomer® solutions provide enhanced barrier properties and durability, making them ideal for functional parts exposed to moisture or challenging end-use conditions.

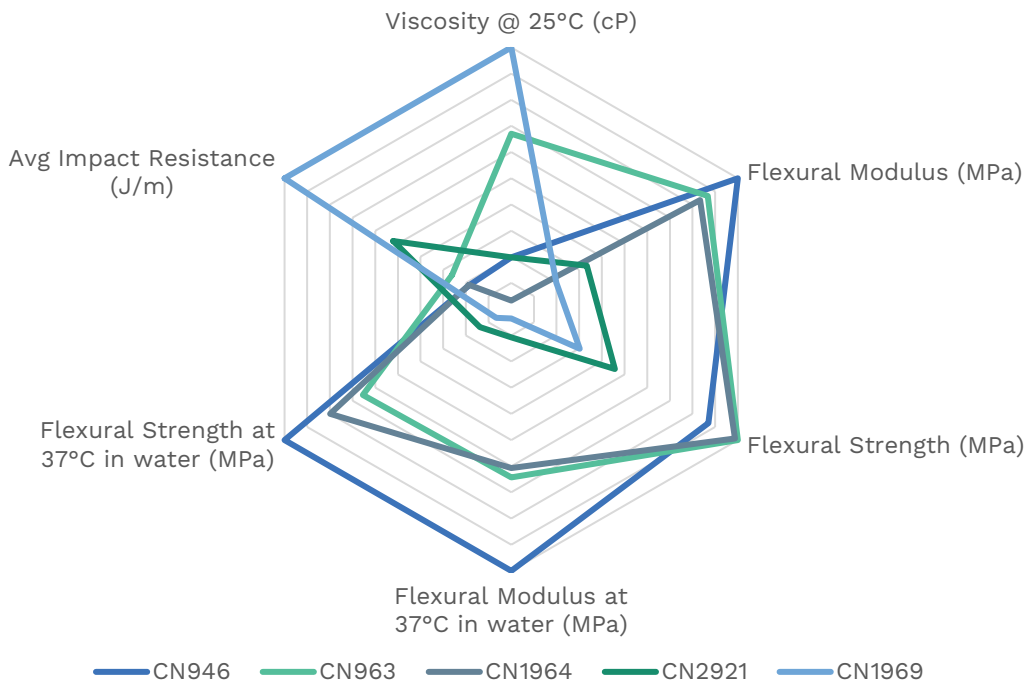
SELECTED OLIGOMERS FOR 3D PRINTING

40% Sarbio® 5102 (IBOA) Dilution

	CN946	CN983	CN963	CN1964	CN2921	CN1967
Viscosity, 25°C (cP)	1800	5150	6100	300	1800	2600
Water Uptake after 24 hours (%)	0.30	0.27	0.26	0.27	0.27	0.27
Flexural Modulus (MPa)	3000	2900	2600	2500	1000	1200
Flexural Strength (MPa)	82.6	92.8	94.9	93.7	43.4	52.3
Modulus Retention in Water, 37°C	●●●●●	●●●●●	●●●●○	●●●●○	●●●○○	●●●○○
Avg Impact Resistance (J/m)	21	47	30	22	61	48
Availability*	US	US & Asia	Global	Global	US	US
Highlights	High Tg	Hardness	Flexible	Tough, fracture resistant	Adhesion	Tough, low yellowing

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

WATER-RESISTANT OLIGOMERS FOR 3D PRINTING



ARKEMA IS THE PARTNER OF CHOICE FOR UV-CURABLE MATERIALS FOR 3D PRINTING

Whether through N3xtDimension® formulations or Sartomer® resins and additives, we are uniquely positioned to deliver innovative solutions and unwavering support to meet the industry's toughest challenges.

From tailored formulations and expert guidance to bio-based material advancements, Arkema is your trusted partner in unlocking the full potential of 3D printing



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

sartomer.arkema.com

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