

## Colorite<sup>®</sup> Flexchem series

### Ultra high-performance vinyl compounds

## Overview

Flexchem<sup>®</sup> is a family of PVC compounds that have been developed as an alternative to silicone for various applications. These formulations utilize a non-phthalate plasticizer and are available in 35-65 Shore A hardness. The compounds can be extruded or injection molded using conventional equipment.

Flexchem also offers excellent release characteristics, rubber-like compression set properties, good burst strength, flexibility and durability, and can be solvent-bonded. Flexchem compounds are designed to meet the requirements for a USP Class VI plastic. Complete traceability and lot identification of all components are maintained.

## Physical properties\*

	ASTM	Grade						
		3551	4051	4551	5051	5551	6051	6551
Shore hardness A	D-2240	35	40	45	50	55	60	65
Specific gravity	D-792	1.15	1.15	1.16	1.16	1.17	1.18	1.21
Tensile strength, psi	D-638	840	950	1140	1365	1640	1910	2240
Elongation %	D-638	210	310	385	440	625	750	830
100% modulus, psi	D-638	425	415	410	400	380	370	360
Compression set @ RT for 22 hours, %	D-395	22.0	24.1	24.9	25.3	30.2	39.2	43.0

\*Typical properties. These are not to be construed as specifications.

For additional information, please [contact us](#).

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