

Colorite[®] 44 series

Extrusion and injection molding compounds (non-phthalate)

Overview

Colorite[®] 44 series is a family of PVC compounds designed for those medical device manufacturers that require the use of a non-phthalate plasticizer. It has undergone extensive toxicological testing and was developed for applications focused on toxicological performance.

The 44 series has been designed for injection molding and extrusion applications and has similar processing conditions to compounds plasticized with phthalates. These compounds are available in ethylene oxide and gamma radiation sterilizable grades.

Colorite 44 series compounds are designed to meet the requirements for a USP Class VI plastic. Complete traceability and lot identification of all components and finished products are maintained.

Physical properties*

	ASTM	Grade										
		4044	5044	5544	6044	6544	7044	7544	8044	8544	9044	9544
Shore hardness A	D-2240	40	50	55	60	65	70	75	80	85	90	95
Specific gravity	D-792	1.16	1.16	1.17	1.18	1.18	1.20	1.22	1.23	1.24	1.25	1.27
Tensile strength, psi	D-638	980	1300	1500	1600	1700	2000	2200	2550	2800	2900	3250
Elongation %	D-638	490	475	450	450	450	400	375	350	325	250	250
100% modulus, psi	D-638	260	365	500	550	620	950	1030	1270	1770	1900	2400

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

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

Colorite[®] is a trademark of Tekni-Plex.

DISCLAIMER: The information set forth herein is subject to change without notice and should not be used as a substitute for your own independent investigation and business judgment. No intellectual property rights are conveyed hereby. TEKNI-PLEX DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE.

©2020 TEKNI-PLEX. 06/20