

Valiant Ultra™

Product Description

Valiant Ultra™ is an ultra-clear packaging material designed for healthcare applications. It provides excellent impact strength and durability to meet the most demanding requirement, including heat-resistance properties higher than PETG. The optical characteristics are superlative so medical devices and diagnostic kit components are easy to see through this ultra-clear packaging. It is EtO and Gamma sterilizable without the discoloration common to PET packaging. Meets FDA Food Packaging Regulation 21CFR 177.1640 and the requirements of the U.S. Pharmacopoeia XXII Class.

Technical Properties

Property	Test Method	Value
Refractive Index	ASTM D-542	1.580
Hunter_b (blue)		-13.1
Haze (%)	ASTM D-1003	5.2
Notched Izod	ASTM D-256	0.402 ft-lbs/in
Unnotched Izod	ASTM D-256	6.692 ft-lbs/in
Tensile Yield	ASTM D-638	4,793 psi
Yield Elongation	ASTM D-638	3.1
Tensile Modulus	ASTM D-638	233.7 kpsi
Flexural Yield	ASTM D-790	7,653 psi
Flexural Modulus	ASTM D-790	236.4 kpsi
Specific Gravity	ASTM D-792	1.01
Vicat Softening Temperature	ASTM – D1525	191 °F
Heat Distortion (°F @ 66 psi)	ASTM D-648	166

For additional information, please contact Spartech at 800-677-4338 (800-67-SHEET), e-mail info@spartech.com or visit our website at www.spartech.com

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