



EAST TEXAS SEALS, LLC

ETS700



Certificate of Analysis

(Certificate conforms to EN 10204:2004. type 3.1)

Item description: VICTREX™ PEEK Polymer 450G - Octobox 700kg	Batch number: V027346
Item number: 300043	Manufacturing date: 13 September, 2018

Property	Test method	Unit	Specification	Test result
Flexural Modulus	ASTM D790	GPa	≥ 3.50	4.10
Flexural Strength	ASTM D790	MPa	≥ 147.00	156.07
Impact Strength (Notched Izod)	ASTM D256	J/m	≥ 65.00	96.52
Tensile Elongation at Break	ASTM D638	%	≥ 50.00	64.97
Tensile Elongation at Yield	ASTM D638	%	≥ 4.00	4.84
Tensile Strength at Yield	ASTM D638	MPa	≥ 93.00	101.94
Tensile Strength at Break	ASTM D638	MPa	≥ 75.00	96.20
Tensile Young's Modulus	ASTM D638	GPa	≥ 3.45	3.96
Black Speck (Average) Granule	TM-VX-11A	Count/100g	0.0 - 5.0	0.0
Black Speck (Sized Film)	TM-VX-17	mm ²	0.00 - 0.25	0.00
Colour	TM-VX-19	-	A - D	B
Extraneous Contamination	TM-VX-11C		PASS	PASS
Granule Cut	TM-VX-11D		PASS	PASS
Flexural Modulus	ISO 178	GPa	≥ 3.50	3.78
Flexural Strength	ISO 178	MPa	≥ 155.00	164.87
Impact Strength (Notched Izod)	ISO 180	kJ/m ²	≥ 5.40	7.35
Tensile Elongation (at Break)	ISO 527	%	≥ 25.00	47.92
Tensile Strength (at Yield)	ISO 527	MPa	≥ 95.00	99.03
Melt Stability	TM-VX-12C	%	0.00 - 9.00	4.02
Moisture Content (Granule)	TM-VX-38	%	0.00 - 0.25	0.10
Melt Viscosity	TM-VX-12A	kNs/m ²	0.390 - 0.500	0.463
Shore D Hardness	ASTM D2240	Pts	82.00 - 88.00	84.40
Specific Gravity	ASTM D792 / ISO 1183	g/cm ³	1.280 - 1.310	1.292
----- Not Applicable -----				
----- Not Applicable -----				

East Texas Seals
 291 Park Row Street
 Van, TX, 75790
<https://www.easttexasseals.com>
 Phone: 903-963-7325
 Email: lee@easttexasseals.com
 Cell: 972-765-9326