



Reprotex® PEEK 450RP Batch Analysis

Property	Code	Units	Viktrex Virgin Specification	PTI Specification	Batch Reference										
					1308	1299	1298	1297	1296	1286	1282	1281	1262	1249	1217
Tensile Strength	ASTM D638	MPa	100	91	93	99	94	96	97	91	91	89	92	90	94
Tensile Modulus	ASTM D638	MPa	3702	3650	3861	4137	3930	4068	4137	3654	3378	3241	2896	3861	2896
Elongation at Break	ASTM D638	%	45	41	42	45	42	42	43	40	41	42	43	44	43
Flexural Strength	ASTM D790	MPa	165	143	147	141	148	157	155	144	143	145	151	157	155
Flexural Modulus	ASTM D790	MPa	4102	4000	3930	3861	4068	4275	4275	3999	3654	3654	3723	3999	3999
Impact Izod Notched	ASTM D256	kJ/m2	79.87	65	66.34	77.84	91.38	77.84	64.98	75.14	85.97	80.55	111.01	100.18	101.54
Impact Izod Un-Notched	ASTM D4812	kJ/m2	No Break	3100	3,888	3,634	3,384	3,181	4,137	3,767	2,391	4,005	3,650	3,586	3,361
Specific Gravity	ASTM D792		1.29	1.29	1.30	1.30	1.29	1.30	1.30	1.30	1.29	1.29	1.29	1.29	1.29
Melt Flow Rate		g/10min	4.40	2.5	3.16	3.13	2.86	2.99	3.22	2.48	N/A	N/A	3.11	2.92	N/A
Heat Deflection @ 129C		C	160	149	153	149	155	155	157	162	150	155	158	153	150