

Toyolac® 100-322

General Purpose ABS / High Impact / Platable

Properties	Test Method	Test Condition	Units	
Tensile Strength	ASTM-D638	73°F/ 50%RH	PSI	7,100
Tensile Elongation at Break		73°F/ 50%RH	%	20
Flexural Strength	ASTM-D790	73°F/ 50%RH	PSI	10,700
Flexural Modulus		73°F/ 50%RH	PSI	326,000
Izod Impact Strength	ASTM-D256	73°F/ 0.500"t V-notched	ft-lbs/in	4.0
		-30°F/ 0.500"t V-notched		2.2
Distortion Temperature Under Load	ASTM-D648	0.25"t 264 PSI	°F	199
Rockwell Hardness	ASTM-D785	73°F/ 50%RH	R-SCALE	113
Melt Flow Rate	ISO-1133	220°C/ 10 KG	g/10min	13
Specific Gravity	ASTM-D792	73°F/ 50%RH	-	1.04
Water Absorption	ASTM-D570	73°F/ 24 hrs	%	0.3
Thermal Conductivity	ASTM-C177	73°F/ 50%RH	W/K-m	0.15
Coefficient Linear Thermal Expansion	ASTM-D696	-	mm/mm/°C x 10 ⁻⁵	7.4
Surface Resistivity	ASTM-D257	73°F/ 50%RH	Ohm	7.0 x 10 ¹⁵
Volume Resistivity	ASTM-D257	73°F/ 50%RH	Ohm-cm	2.0 x 10 ¹⁶
Dielectric Strength	ASTM-D149	-	kV/mm	22
Dielectric Constant	ASTM-D150	1000 Hz	-	3.1
Power Factor	ASTM D150	1000 Hz	-	6.6 x 10 ⁻³
Flammability	UL94/ File No. E41797			HB
Mold Shrinkage			%	0.3-0.6

Note: These values are typical data for this product under specific test conditions and not intended for use as limiting specifications.