



Wunder-Mold

Creating Quality Standards for the Industry

Ceramic Injection Molding

Precision Injection Molding

LEXAN - Polycarbonate

This material is a standard Polycarbonate that is FDA compliant in certain colors.

Physical Properties

Specific Gravity	-	1.20 g/cc
Tensile Modulus	-	344000 psi
Tensile Strength (Yield)	-	8990 psi
Tensile Stress (Yield)	-	9140 psi
Tensile Elongation (Yield)	-	7.0 %
Tensile Strength (Break)	-	9860 psi
Tensile Stress (Break)	-	10200 psi
Tensile Elongation (Break)	-	130 %
Flexural Modulus (1.97" Span)	-	339000 psi
Flexural Strength (Yield 1.97")	-	14100 psi
Charpy Notched Impact Str.	-	17 ft-lb/in ²
Notched Izod Impact (@73F)	-	15 ft-lb/in
Rockwell Hardness (M-Scale)	-	70
Rockwell Hardness (R-Scale)	-	118
Thermal Conductivity	-	1.3 Btu-in/hr/ft ² /F
Surface Resistivity	-	1.0E+15 ohms
Volume Resistivity	-	1.0E+17 ohm*cm

These numbers are typical values for the properties listed. Depending on the end shape and environment, these values may be slightly different. Any questions and or for recommendations on how to design your Plastic Injection Molded Parts, please contact our Design Engineers at Wunder Mold

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