



"Rapid Prototyping
Specialists"

Data for Peridot Urethane Materials

Description	Urethane # 6461	Urethane # 4270	Urethane # 6432	Urethane # 5030
Natural Cured Color	Black	Lt. Amber	White	Cloudy White
Tensile Strength	7,800 psi	10,400 psi	5,900 psi	4,600 psi
Elongation at Break	10.00%	6.60%	27.00%	32.00%
Tensile Modulus	224,000 psi	N/A	N/A	164,000 psi
Compressive Strength	32,000 psi	N/A	7,500 psi	N/A
Flexural Strength	11,700 psi	13,900 psi	8,600 psi	5,750 psi
Flexural Modulus	246,000 psi	405,000 psi	234,000 psi	186,000 psi
Hardness (Shore D)	81	84	73	77
Izod Impact - Notched	0.7 ft-lb/in	1.5 ft-lb/in	0.6 ft-lb/in	0.36 ft-lb/in
Izod Impact - Unnotched	N/A	N/A	N/A	1.50 ft-lb/in
Deflection Temperature @ 66psi <small>* with thermal post-cure</small>	309 Degrees F*	178 Degrees F	175 Degrees F	185 Degrees F
Tg by DMA, E"	305 Degrees F*	N/A	160 Degrees F	N/A
Coef. of Thermal Expansion <small>-22 to 86 F, in/in/F</small>	60 x 10 e-6	N/A	60 x 10 e-6	N/A
Density	73 lb/cu ft	N/A	71 lb/cu ft	N/A
Specific Gravity	1.13	1.13	1.08	1.08
Moisture Absorbtion (% weight)	2.30%	N/A	N/A	N/A
Height Change Due to Moisture Absorption	0.30%	N/A	N/A	N/A

Thank you for considering PERIDOT for your 3D Engineering and Rapid Prototyping needs. Visit us at www.peridotinc.com.

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