



COMPOUND: 729

POLYMER: Polyamide (PA)

DESCRIPTION: Unfilled Nylon 66 (PA), Extruded Stock Shapes and Machined parts, Yellow Colored

Property	Test Method	Typical Values	Units
Specific Gravity	ASTM D792	1.15	-
Water Absorption 24 HRS, Immersion Saturation, Immersion	ASTM D570	0.3 7.0	%
Hardness	ASTM D785	R115	ROCKWELL R
Tensile Strength at Break	ASTM D638	12,000 (82.74)	PSI (MPa)
Elongation at Break	ASTM D1708 & D1710	50	%
Tensile Modulus	ASTM D638	425,000 (2,930.3)	PSI (MPa)
Compressive Strength	ASTM D695	12,500 (86.18)	PSI (MPa)
Compressive Modulus	ASTM D695	420,000 (2,895.8)	PSI (MPa)
Flexural Strength	ASTM D790	15,000 (103.42)	PSI (MPa)
Flexural Modulus	ASTM D790	450,000 (3,102.6)	PSI (MPa)
Izod Impact Strength, Notched	ASTM D256	0.6	FT.LB/INCH
Coefficient of Linear Thermal Expansion	ASTM D696	5.5 (9.9)	X 10 ⁻⁵ °F ⁻¹ (°C ⁻¹)
Heat Deflection Temperature @ 264 PSI (1.82 MPa)	ASTM D648	200 (93)	°F (°C)
Maximum Continuous Operating Temperature		210 (98)	°F (°C)
Minimum Operating Temperature		-22 (-30)	

REVISION HISTORY
REV. NONE – Initial Release, 9-03-2020 RSK

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