

KömaCel®

Physical Properties	Unit	Test Method	10mm - 25mm
Density	g/cm ³	ASTM D792	0.56
Water Absorption	%	ASTM D570	5.2
Surface Energy	Dyne		34-36
Hardness	Shore D	ASTM D2440	75-80
Mechanical Properties			
Tensile Strength @ Break	psi	ASTM D638	1,739
Flexural Strength @5%	psi	ASTM D790	3,952
Tensile Modulus	psi	ASTMD638	113,400
Flexural Modulus	psi	ASTM D790	192,700
Compression Strength	psi	ASTM D695	2,018
Compression Modulus	psi	ASTM D695	90,200
Izod Impact (notched)	ft-lb/in	ASTM D 256	0.27
Puncture Impact Energy	ft-lbs	ASTM D3763	7.34
Thermal Properties			
Heat Deflection temp @ 264psi (°F)		ASTM D648	143
Coefficient of Linear Expansion	in/in°F	ASTM D696	3.2x10-5
Flammability			
Flame Spread Index	Class (A,B,C)	UL E84	15-70
Burn Rate			None when flame removed
Compliances			
		RoHS	Yes
		Prop 65	Yes
		REACH	No



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