Physical Properties		Metric			English		Comments		
Specific Gravity		1.2 g/cc		0.0434 lb/in≥		ASTM D792			
Vater Absorption		0.20%		0.0404 10/1112	0.20%			Immersion, 24h	r· ASTM
, , , , , , , , , , , , , , , , , , ,		0.2070			0.20,9				D570(2)
Vater Absorption at Saturation	0.40%	1		0.40%			Immersion; AS	TM D570(2)	()
Mechanical Properties									
Hardness, Rockwell M		75			75			ASTM D785	
Hardness, Rockwell R		126			126			ASTM D785	
Hardness, Shore D		80			80			ASTM D2240	
ensile Strength, Ultimate	72.4 MPa		10500 psi		ASTM D638				
Elongation at Break		100%			100%			ASTM D638	
ensile Modulus		2.21 GPa		320 ksi		ASTM D638			
Flexural Modulus		2.41 GPa		350 ksi		ASTM D790			
lexural Yield Strength	89.6 MPa		13000 psi		ASTM D790				
Compressive Strength		79.3 MPa		11500 psi		10% Def.; ASTI	M D695		
Compressive Modulus		2.07 GPa		300 ksi		ASTM D695			
Shear Strength			63.4 MPa		9200 psi		ASTM D732		
zod Impact, Notched		0.801 J/cm		1.5 ft-lb/in		ASTM D256 Ty	pe A		
Electrical Properties									
Surface Resistivity per Square	Min 1e+013 oh	m	Min 1e+013 of	nm	EOS/ESD S11.1	11			
Dielectric Constant		3.17			3.17			1MHz; ASTM D	150
Dielectric Strength		15.7 kV/mm		400 V/mil		Short Term; AS	TM D149		
Dissipation Factor		0.0009			0.0009			1MHz; ASTM D	150
hermal Properties									
CTE, linear 68∞F		70.2 µm/m-∞C		39 µin/in-∞F		(-40∞F to 300∝	F); ASTM E831		
hermal Conductivity		0.187 W/m-K		1.3 BTU-in/hr-ft	ASTM F433				
Maximum Service Temperature, 121 ∞C			250 ∞F			Long Term			
Deflection Temr 143 ∞C		290 ∞F			ASTM D648				
Glass Temperature		145 ∞C			293 ∞F			ASTM D3418	
Flammability, UL94 (Estimated FHB			НВ			1/8 inch			
Qualitative Processing Properties									
Samplianas EDA		NIat Oa							
Compliance - FDA		Not Compliant		2		1 10 1 5	to Machine		
Machinability Service in Alcohols		Accentable		3		1-10, 1=Easier	to iviacnine		
Service in Aliphatic Hydrocarbol Limited		Acceptable							
service in Aliphatic Hydrocarbo Limited Service in Aromatic Hydrocarbo Unacceptable									
Service in Chlorinated Solvents Unacceptable									
Service in Ethers		Unacceptable							
Service in Ketones		Unacceptable							
ervice in Strong Acids	Unacceptable								
ervice in Strong Alkalies	Unacceptable								
Service in Sunlight	, ,	Limited							
Service in Weak Acids		Acceptable							
Service in Weak Alkalies	Acceptable	,							
All statements, technical information and recon	nmendations con	ntained in this da	tahase are pres	sented in good fait	h hased upon t	ests			
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