



# PROFESSIONAL PLASTICS, INC.

Leading Global Supplier of Engineered Plastic Shapes

USA Phone (888) 995-7767 – Asia Phone +65-6266-6193

E-Mail: [sales@proplas.com](mailto:sales@proplas.com) Website: [www.professionalplastics.com](http://www.professionalplastics.com)

## Durostone® UTR

Durostone® UTR is one of our Durostone® Glastic® laminates and offers a superior combination of electrical and mechanical properties. Made from fiberglass-reinforced thermoset polyester resins, these UL®-recognized sheets blend excellent performance characteristics with economy.

Technical Values	Test method	Unit	UTR
Fibre reinforcement	-	-	mat
Specific gravity	-	g/cm3	1,81
Standard colour	-	-	white/red
Previous quality	-	-	1491 1494
DIN 7735 type	-	-	-
EN 60893/IEC 893 type	-	-	UPGM203
Nema-LI.1 designation	-	-	GPO-3
NFC 26153/26151 Standard	ASTM D 792	g/cm3	-
Bending strength (perpendicular)	ASTM D 790	MPa	152
Modulus of elasticity (perpendicular)	-	-	-
Compressive Strength (perpendicular)	ASTM D 695	MPa	228
Impact strength (parallel)	-	-	-
Tensile strength (parallel)	ASTM D 638	MPa	54
Electric strength at 90°C (perpendicular)	ASTM D 149 (Luft/Öl)	kV/mm	18 / 23
Breakdown voltage at 90°C (parallel)	ASTM D 149	kV/25mm	47
Comparative tracking index	UL 746A	(V)	500
Tracking and erosion resistance	-	-	-
Thermal conductivity	ASTM C 177	W/mK	0,27
Thermal endurance	UL 746 B	T.I.	130/160
Insulating class	-	-	-
Flammability	IEC 60707	-	FVO/>2,4mm
Coefficient of linear expansion (parallel)	ASTM D 696	10-6K-1	20

**Remarks:** Property variation possible in the area of 50mm, average - not guaranteed technical values. Tol. accord with EN 60893-3-5. The data mentioned are average values. Professional Plastics cannot accept any responsibility for their accuracy, not do we recommend any material for your specific application.

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