



Manufacturer:
ÅngströmLink™

Product Name:
ÅngströmLink™ T-200 Optical Plastic - 25Kg

Manufacturer Part Number:
T-200-25KG



► Click here for more details on the ÅngströmLink™ T-200 Optical Plastic - 25Kg

T-200

UNITIKA POLYARYLATE
U-POLYMER

Type : Transparency, Super high heat resistance, Reflowable

Resin identification : PAR

Properties	Test conditions	Standards	Units	Value
Mechanical properties	Tensile strength	ISO 527-1,-2	MPa	80
	Break			
	Tensile modulus		MPa	2300
	Tensile strain	ISO 178	%	10
	Break			15
	Flexural strength		MPa	112
	Flexural modulus		MPa	2300
Thermal properties	Charpy impact strength	Unnotched	kJ/m ²	6
		Notched		
	Rockwell hardness	R-scale	ISO 2039	—
	Coefficient of linear thermal expansion	Parallel	10 ⁻⁴ /°C	0.7
		Transverse		0.7
Electrical properties	Deflection temperature under load	1.8MPa	°C	250
		0.45MPa		258
	Vicat softening temperature	50N, 120°C/h	ISO 306	°C
	Glass-transition temperature	—	DSC	°C
Other properties	Volume resistivity	—	IEC 60093	Ω·m
	Electrical strength	1mmt	IEC 60243-1	kV/mm
	Relative permittivity	10 ⁶ Hz	IEC 60250	—
	Dissipation factor	10 ⁶ Hz	IEC 60250	—
	Comparative tracking Index	—	IEC 60112	—
Molding conditions	Density	—	ISO 1183	g/cm ³
	Water absorption	23°C, immersion 24h	ISO 62	%
	Mold shrinkage	Parallel	Unitika method 3mmt	0.6~0.8
		Transverse		0.6~0.8
	Luminous transmittance	3mmt	ASTM D1003	%
	Refractive index	—	V-block method	—
	Melt flow rate	380°C, 2.16kg	ISO 1133	g/10min
	Flammability	—	UL94 File No.E47924	—
	Cylinder temperature	—	°C	390~420
	Mold temperature	—	°C	150~230
	Pellets drying condition	—		150°C × 6~24h (pellets water absorption 200ppm or less)

ATTENTION : All the data mentioned in this data sheet are the representative values of the in-house tests we conducted using our own specimens, and do not guarantee the product performance for any particular applications.

Contact the professionals at Fiber Optic Center for a quote or to get more details.

focenter.com • 508-992-6464 | (800) 473-4237 • sales@focenter.com

23 Centre Street • New Bedford, MA 02740 USA

Product specifications and data are subject to change without notice.