


Manufacturer:

UNITIKA

Product Name:

UNITIKA U-polymer T-200 Optical Plastic, 1.58 Refractive Index - 25 kg bag

Manufacturer Part Number:

AB9123EP-2.5G

► [Click here for more details on the UNITIKA U-polymer T-200 Optical Plastic, 1.58 Refractive Index - 25 kg bag](#)

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
	Charpy impact strength	Unnotched Notched	kJ/m ²	6
Thermal properties	Rockwell hardness	R-scale	ISO 2039	—
	Coefficient of linear thermal expansion	Parallel	ISO 11359-2	10 ⁻⁴ /°C
		Transverse		
	Deflection temperature under load	1.8MPa	ISO 75-1,-2	°C
		0.45MPa		
Electrical properties	Vicat softening temperature	50N, 120°C/h	ISO 306	°C
	Glass-transition temperature	—	DSC	°C
	Volume resistivity	—	IEC 60093	Ω·m
	Electrical strength	1mmt	IEC 60243-1	kV/mm
	Relative permittivity	10 ⁶ Hz	IEC 60250	—
Other properties	Dissipation factor	10 ⁶ Hz	IEC 60250	—
	Comparative tracking Index	—	IEC 60112	—
	Density	—	ISO 1183	g/cm ³
	Water absorption	23°C, immersion 24h	ISO 62	%
	Mold shrinkage	Parallel Transverse	Unitika method 3mmt	%
Molding conditions	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
	Mold temperature	—		°C
	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.

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Product specifications and data are subject to change without notice.