

Voxel PBT B12U

Polybutylene Terephthalate

Custom Resins Group

Message:

General purpose unreinforced PBT injection molding resin
Has the strength and resistance to heat, chemicals, and electricity typical of unreinforced polyester resins
Suitable for uses such as connectors, housings, levers, and other applications which require this specific profile of properties

General Information			
Features	General Purpose		
	Good Chemical Resistance		
	Good Electrical Properties		
	Good Strength		
	Medium Heat Resistance		
Uses	Connectors		
	General Purpose		
	Housings		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.0 to 1.6	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	51.7	MPa	ASTM D638
Tensile Elongation (Yield)	250	%	ASTM D638
Flexural Modulus	2340	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	154	°C	
1.8 MPa, Unannealed	54.4	°C	
Peak Melting Temperature	227	°C	ASTM D3418

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

