

Visiloy™ 2650

Polycarbonate + PBT

Technical Polymers, LLC

Message:

Visiloy™ 2650 is a Polycarbonate + PBT (PC+PBT) material. It is available in North America for extrusion or injection molding. Primary attribute of Visiloy™ 2650: Flame Rated.

General Information			
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm³	ASTM D792

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	57.9	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	> 100	%	ASTM D638
Flexural Modulus (23°C)	2030	MPa	ASTM D790
Flexural Strength (23°C)	82.7	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	750	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	104	°C	
1.8 MPa, Unannealed	98.9	°C	

Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+14	ohms · cm	ASTM D257

Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

Injection	Nominal Value	Unit	
Drying Temperature	104 to 116	°C	
Drying Time	4.0 to 6.0	hr	
Drying Time, Maximum	8.0	hr	
Processing (Melt) Temp	260 to 277	°C	
Mold Temperature	65.6 to 87.8	°C	

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