

Les produits en oxyde de polyphénylène Altron se caractérisent par leurs excellentes propriétés d'isolation électrique, leur grande stabilité et leur résistance à la température moyenne. Ces propriétés, en plus des excellentes caractéristiques électriques, font de ces formes brutes un premier choix pour les applications électriques/électroniques.

### TRANSLATION NOT AVAILABLE IN PRODUCT 31373 AND ATTRIBUTE 7194 FOR 23

	Translation not available in product 31378 and attribute 7194 for 23	Translation not available in product 31386 and attribute 7194 for 23
Melting temperature (DSC, 10°C (50°F) / min)	ISO 11357-1/-3	°C
Glass transition temperature (DMA- Tan δ) (2)		°C
Thermal conductivity at 23°C (73°F)		W/(K.m)
Coefficient of linear thermal expansion (-40 to 150 °C) (-40 to 300°F)		
Coefficient of linear thermal expansion (23 to 60°C) (73°F to 140°F)		µm/(m.K)
Coefficient of linear thermal expansion (23 to 100°C) (73°F to 210°F)		µm/(m.K)
Heat Deflection Temperature: method A: 1.8 MPa (264 PSI)	ISO 75-1/-2	°C
Continuous allowable service temperature in air (20.000 hrs) (3)		°C
Min. service temperature (4)		°C
Flammability: UL 94 (3 mm (1/8 in.)) (5)		
Flammability: Oxygen Index	ISO 4589-1/-2	%
Tensile strength	ISO 527-1/-2 (7)	MPa
Tensile strain (elongation) at yield	ISO 527-1/-2 (7)	%
Tensile strain (elongation) at break	ISO 527-1/-2 (7)	%
Tensile modulus of elasticity	ISO 527-1/-2 (9)	MPa
Shear Strength		
Compressive stress at 1 / 2 / 5 % nominal strain	ISO 604 (10)	MPa
Compressive strength		
Charpy impact strength - unnotched	ISO 179-1/1eU	kJ/m²
Charpy impact strength - notched	ISO 179-1/1eA	kJ/m²
Izod Impact notched		
Flexural strength	ISO 178 (12)	MPa
Flexural modulus of elasticity	ISO 178 (12)	MPa
Rockwell M hardness (14)	ISO 2039-2	
Shore Hardness D (14)	ISO 868	
Electric strength	IEC 60243-1 (15)	kV/mm
Volume resistivity	IEC 62631-3-1	Ohm.cm
Surface resistivity	ANSI/ESD STM 11.11	Ohm/sq.
Dielectric constant at 1 MHz	IEC 62631-2-1	
Dissipation factor at 1MHz	IEC 62631-2-1	
Colour		
Density	ISO 1183-1	g/cm³
Specific Gravity		
Water absorption after 24h immersion in water of 23 °C (73°F)	ISO 62 (16)	%
Water absorption at saturation in water of 23 °C (73°F)		%
Wear rate	ISO 7148-2 (18)	µm/km
Dynamic Coefficient of Friction (-)	ISO 7148-2 (18)	
Limiting PV at 100 FPM		
Limiting PV at 0.1 / 1 m/s cylindrical sleeve bearings		MPa.m/s
Chemical Resistance		

Translation not available in product 31366 and attribute 7194 for 23 translation not available in product 31368 and attribute 7194 for 23.