

TECAPEEK® ID

Polyetheretherketone

Ensinger Inc.

Message:

As engineers continue to push the limit of what they ask their high performance engineering materials to accomplish on the production line, the need has arisen for thermoplastics that in the unlikely event of their failure, will reduce the Risk of product contamination, and allow for the easy detection of small pieces using standard detection methods. TECAPEEK ID is a metal detectable PEEK made with Victrex® PEEK 450G polymer

General Information			
Features	Metal Detectable		
Forms	Shapes		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	4300	MPa	ASTM D638
Tensile Stress (Yield)	100	MPa	ISO 527-2
Tensile Strain (Break)	4.5	%	ISO 527-2
Flexural Modulus	4400	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	45	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	143	°C	ASTM E1356
Melting Temperature	343	°C	DIN 53765
Service Temperature			
Long Term	300	°C	
Short Term	260	°C	
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94
NOTE			
1.	1.0 mm/min		

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Recommended distributors for this material

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