

Itenite® 816

Thermoplastic Vulcanizate

ITEN INDUSTRIES

Message:

Itenite® 816 is a Thermoplastic Vulcanizate (TPV) material. It is available in North America.

Important attributes of Itenite® 816 are:

REACH Compliant

RoHS Compliant

General Information			
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Forms	Fiber		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			
Across Flow : Yield	64.8	MPa	
Flow : Yield	108	MPa	
Flexural Strength			
-- ²	113	MPa	
-- ³	157	MPa	
Compressive Strength			
-- ⁴	93.1	MPa	
-- ⁵	108	MPa	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ⁶			
Across Flow	61	J/m	ASTM D256
Flow	67	J/m	
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	13	kV/mm	ASTM D149
Relative Permittivity			ASTM D150
1 MHz ⁷	5.55		
1 MHz ⁸	5.06		
Dissipation Factor			ASTM D150
1 MHz ⁹	0.052		
1 MHz ¹⁰	0.033		
Arc Resistance ¹¹	129	sec	ASTM D495
Dielectric Breakdown			ASTM D149
-- ¹²	9000	V	
-- ¹³	80000	V	
NOTE			
1.	Condition A		

2.	Across Flow, Condition A
3.	Flow, Condition A
4.	Across Flow, Condition A
5.	Flow, Condition A
6.	E48/50
7.	D24/23
8.	Condition A
9.	D24/23
10.	Condition A
11.	Condition A
12.	D48/50
13.	Condition A

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