

Material Specification

T01 Revision A

Virgin Polytetrafluoroethylene PTFE

Material Specification					
Created: MZ	Date: 10/12/2010	Revision: A	Released: 10/14/10	Material Code: T01	Description: PTFE

1. Scope

This document describes property requirements for a material primarily used in sealing applications.

2. Specification

Hardness	ASTM D-2240	60 D
Specific Gravity	ASTM D-792-66	2.21 g/cm ³
Tensile Strength	ASTM D-638	6,000 psi
Tensile Modulus	ASTM D-638	80,000 psi
Elongation	ASTM D-1708-79	300%
Flexural Modulus	ASTM D-790-80	27,000 psi
Flexural Strength	ASTM D-790-80	No Break
Compressive Strength	ASTM D-695	3,500 psi
Compressive Modulus	ASTM D-695	70,000 psi
Color		White

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3. Test References

Hardness	ASTM D-2240
Specific Gravity	ASTM D-792-66
Tensile Strength	ASTM D-638
Tensile Modulus	ASTM D-638
Elongation	ASTM D-1708-79
Flexural Modulus	ASTM D-790-80
Flexural Strength	ASTM D-790-80
Compressive Strength	ASTM D-695
Compressive Modulus	ASTM D-695

4. Revisions

Revision: A
Date: 10/12/2010
Written By: MEZ
Approved: JDK
Date Approved: 10/14/10
Reason: Updated to new format

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