

Material Specification

F01 Revision A

Fluorine Rubber FPM

Material Specification					
Created: AvE	Date: 8/31/09	Revision: A	Released: Ron C	Material Code: F01	Description: FPM

1. Scope

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

2. Specification

Hardness A	DIN 53505	85A ± 5
Hardness D	DIN 53505	-
Density	DIN 53479	2.51 g/cm ³
Tensile Strength	DIN 53504	10.0 N/mm ²
Ultimate Elongation	DIN 53504	200 %
20% Modulus	DIN 53504	-
100% Modulus	DIN 53504	10.0 N/mm ²
300% Modulus	DIN 53504	-
Elasticity	DIN 53512	7%
Tear Strength	DIN 53507	6 N/mm ²
Abrasion	DIN 53516	200mm ³
Impact Resilience	DIN 53512	-
Compression Set 70C; 24hrs	DIN 53517	7%
Compression Set 100C; 24hrs	DIN 53517	8%
Brittle Point	DIN 53479	-
Minimum Service Temp.		-20° C -4° F
Maximum Service Temp.		220° C 428° F
Maximum Service Temp. - Water		-
Maximum Service Temp. - Water/Glycol		-
Color		Rust

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3. Test References

Abrasion	DIN 53516
Compression Set 100C 24hrs	DIN 53517
Compression Set 70C 24 Hrs	DIN 53517
Density	DIN 53479
Elasticity	DIN 53512
Hardness A	DIN 53505
Hardness D	DIN 53505
Impact Resilience	DIN 53512
Tear Strength	DIN 53507
Tensile Strength	DIN 53504
Ultimate Elongation	DIN 53504
100% Modulus	DIN 53504
20% Modulus	DIN 53504
300% Modulus	DIN 53504

4. Revisions

Revision: A
Date: 8/31/09
Written By: CH
Approved:
Date Approved
Reason: Updated to new format

Revision:
Date:
Written By:
Approved:
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Reason:

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