

Technical data sheet in accordance with AMS 7257D

Material

75 Simriz 501

black

revision index
2

revision date
3/26/2021

page 1 / 3

Physical properties

	nominal range	typical values	
Density ASTM D297	2.04 ±0.02	2.04	g/cm ³
Hardness ASTM D2240, Shore A	75 ±5	77	Shore
Tensile strength ASTM D1414	---	1971	Psi
Elongation at break ASTM D1414	---	179	%
Low temperature test ASTM D1329, TR10	---	31.5	°F
Compression set ASTM D395, 70 h, 230 °C, 25 %	---	18	%
Compression set ASTM D395, 336 h, 230 °C, 25 %	---	23	%

Declarations of conformity
No data found!

Change after aging in Air: 70h/290°C

		nominal range		Typ. values	
		Nominal	Base value	After aging	difference
Hardness (ASTM D2240, Shore A)	Shore	---			
Tensile strength (ASTM D1414)	Psi	---			
Elongation at break (ASTM D1414)	%	---			
weight change	%	---			

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75 Simriz 501

black

revision index

2

revision date

3/26/2021

page 2 / 3

Change after aging in AMS 3085: 70h/200°C

Hardness (ASTM D2240, Shore A)
Tensile strength (ASTM D 412)
Elongation at break (ASTM D1414)
Compression set (ASTM D395, 70 h, 200 °C, 25 %)
volume change (ASTM D471)

Shore
Psi
%
%
%

nominal range

Nominal Base value After aging difference

Typ. values

%

Change after aging in AS1241 Type IV: 70h/125°C

Hardness (ASTM D2240, Shore A)
Tensile strength (ASTM D1414)
Elongation at break (ASTM D1414)
volume change (ASTM D471)
Compression set (ASTM D395, 70 h, 125 °C, 25 %)

Shore
Psi
%
%
%

nominal range

Nominal Base value After aging difference

Typ. values

%

Change after aging in Fuel B: 70h/23°C

Hardness (ASTM D2240, Shore A)
Tensile strength (ASTM D1414)
Elongation at break (ASTM D1414)
volume change (ASTM D471)

Shore
Psi
%
%

nominal range

Nominal Base value After aging difference

Typ. values

%

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page 3 / 3

No ASTM D2000 properties available

The information contained herein is believed to be reliable, but no representation, guarantees or warranties of any kind are made to its accuracy or suitability for any purpose. The information presented herein is based on laboratory testing and does not necessarily indicate end product performance.

Full scale testing and end product performance are the responsibility of the user.

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