

Aflas® is a range of copolymer (tetrafluoroethylene and propylene) fluoroelastomers.

Aflas® compounds are designed for applications requiring good heat resistance, chemical resistance (particularly to bases and amines) and electrical insulation properties. Typical applications are in the automotive, wire and cable, off-shore, and chemical industry.

This information sheet contains typical property data which should not be used for specification purposes.

Aflas® Grades

Grade	Structure	SG (raw gum)	Fluorine Content (%)	Mooney Viscosity ML1+10(100°)	Tg (°C)	Cure System	Applications
100H	TFE/P	1.55	57	110*	-3	Peroxide	High strength seals, gaskets
100S	TFE/P	1.55	57	160*	-3	Peroxide	High strength seals, gaskets
150P	TFE/P	1.55	57	95	-3	Peroxide	General, seals
150E	TFE/P	1.55	57	60	-3	Peroxide	Extrusion, tube, wire & cable
150CS	TFE/P	1.55	57	130	-3	E-BEAM	Extrusion, tube, wire & cable
150C	TFE/P	1.55	57	100*	-3	E-BEAM	Extrusion, tube, wire & cable
300S	TFE/P	1.55	57	106	-3	Peroxide	White base resin General seals Extrusion

* False Mooney value due to rotor slippage

Typical Formulation 100/150

Polymer	100
MT Carbon	25
Ca(OH)2	-
MgO	-
TAIC	5
Peroxide	1
Sodium Stearate	2

Cure Conditions 100/150

Press Cure at 170°C for 20mins
Post Cure at 200°C for 4hrs

Typical Formulation 300 Series

Polymer	100 (PHR)
MT Carbon	25
MgO (high activity)	0.2
TAIC	5
Perkadox 14	1

Typical Cure Conditions 300 Series

Extrusion, tube, wire & cable
Press cure at 170°C
for 20mins
Optimum Post cure at
230°C for 16hrs

TAIC - Triallyl Isocyanurate
Peroxide - 1,3 bis(t-butylperoxy) - diisopropylbenzene

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