

AST 380

PERFLUOROELASTOMER (FFKM)



AST380 Perfluoroelastomer

AST 380 is a general-purpose carbon filled perfluoroelastomer compound that has outstanding high temperature capabilities (continuous up to 600 °F). AST 380 retains its stability throughout temperature cycling and provides long service life at continuous elevated operating temperatures. AST380 has low compression set characteristics along with the broad chemical resistance found with perfluoroelastomer based compounds.

TYPICAL PROPERTIES

Physical Properties	ASTM Method	Typical Value
Color		Black
Hardness, Shore A. Points	D2240	80
100% Modulus	D412	1350
Elongation @ Break, %	D1414	201
Tensile Strength @ Break, psi	D1414	1429
Specific Gravity	D297	2.00
Maximum Continuous Service °F		600 °F
Maximum Continuous Service °C		316 °C
Compression Set @ 25% Deflection 70 Hours @ 527 °F/275 °C, in Air, % of original deflection	D395-03 Method B	24

Unless otherwise noted all tests conducted on AS 56A (-214) O-Rings



As indicated physical property values are typical. All statements and recommendations in this publication are based on our experience and knowledge of typical applications of this product and shall not constitute a guarantee of performance nor modify or alter our standard warranty for this product. Prior to actual use it is highly recommended that suitable tests be run to determine this product's suitability in a specific application. This is critical where failure could result in injury or damage.

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Sales@astseals.com Tel. (401)783-8001
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