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Compound GPlast^{**} 330B Ultra High Temperature (UL) POLYMER TYPE: Perfluoroelastomer FFKM80 (+/-5°)

Physical Properties

Property	Test	Units	Typical Values	
	Method			
COLOUR			Black	
HARDNESS	ISO 48	°IRHD	77	
TENSILE STRENGTH	ISO 37	MPa	11.3	
MODULUS @ 100%	ISO 37	MPa	8.9	
ELONGATION @ BREAK	ISO 37	%	175	
TEAR STRENGTH	ISO 34	N/mm	22.0	
SPECIFIC GRAVITY	ISO 2781	g/cm3	2.00	
COMPRESSION SET VALUE IN AIR				
25% STRAIN – 24HRS @ 204°C	ISO 815	%	15.4	

Description

This Black material has the highest thermal rate of the GPlast[™] grades up to +330°C (+626°F) and has similar chemical resistance to that of PTFE but with elastomeric properties comparable to standard fluorocarbon rubbers. Developed for its performance at constant elevated temperatures. This material is not suitable for high temperature water or steam applications. Along with all our GPlast[™] range, this grade is suitable for use in a wide range of applications where other polymers are not suitable. Do not use any GPlast[™] grade with molten alkali metals. Service Temperatures +330°C (+626°F) to -16°C (+3°F).







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100% 90% 80% Competitor A - Ultra high temperature Compression Set (%) 70% FFKM 60% Competitor B - Ultra 50% high temperature FFKM 40% GPlast 330B 30% 20% 10% 0% 0 200 400 600 800 1000 1200 1400 1600 Time (Hours)

Compression set values in air under 25% strain on BS214 O-Rings, 300°C



Since development and improvement of compounds is a continuing process, Gapi reserves the right to modify their composition and characteristics. Uncontrolled Copy