

Compound GPlast™ 300W HT Ultra Pure White (UG)
POLYMER TYPE: Perfluoroelastomer FFKM70 (+/-5°)

Physical Properties

Property	Test Method	Units	Typical Values
COLOUR			White
HARDNESS	ISO 48	°IRHD	70
TENSILE STRENGTH	ISO 37	MPa	17.8
MODULUS @ 100%	ISO 37	MPa	11
ELONGATION @ BREAK	ISO 37	%	163
TEAR STRENGTH	ISO 34	N/mm	25.6
TR10	ISO2921	°C	-3
SPECIFIC GRAVITY	ISO 2781	g/cm3	2.46
COMPRESSION SET VALUE IN AIR			
25% STRAIN – 24HRS @ 204°C	ISO 815	%	28.7

Description

This white FFKM material provides outstanding temperature resistance up to +300°C (+572°F) and has similar chemical resistance to that of PTFE but with elastomeric properties comparable to standard fluorocarbon rubbers. 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 +300°C (+572°F) to -18°C (+0°F).

Chemical Resistance

1. Suitable, little or no effect. 2. Minor to moderate effect, not maximum resistance. 3. Moderate to severe effect – may be useful in some limited applications. 4. Unsuitable and not recommended – severe effect.

Chemical Group	Rating
Aromatics / Aliphatic Oils	1
Acids	1
Alkalies	1
Alcohols	1
Aldehydes	1
Amines	1
Amines >70°C	2
Ethers	1
Ethylene	1
Esters	1
Ketones	1
Propylene Oxide	1
Steam/Hot Water	1
Strong Oxidisers	1

More detailed information available on request.