

Compound GPlast™ 260B-GP Universal Black (UQ)
POLYMER TYPE: Perfluoroelastomer FFKM75 (+/-5°)

Physical Properties

Property	Test Method	Units	Typical Values
COLOUR			Black
HARDNESS	ISO 48	°IRHD	76
TENSILE STRENGTH	ISO 37	MPa	20.2
MODULUS @ 100%	ISO 37	MPa	9.0
ELONGATION @ BREAK	ISO 37	%	199
TEAR STRENGTH	ISO 34	N/mm	20.5
TR10	ISO 2921	°C	-2
SPECIFIC GRAVITY	ISO 2781	g/cm3	2.00
COMPRESSION SET VALUE IN AIR 25% STRAIN – 24HRS @ 204°C	ISO 815	%	22.5

Description

This Black FFKM material is designed for sealing applications requiring chemical resistance similar to that of PTFE at temperatures up to 260°C (+500°F). This material has an outstanding compression set whilst maintaining excellent physical properties. 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 +260°C (+500°F) to -17°C (+1°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	2
Alkalis	1
Alcohols	1
Aldehydes	1
Amines	1
Ether	1
Ethylene	1
Esters	1
Ketones	1
Propylene Oxide	1
Steam/Hot Water	1
Strong Oxidisers	1
Amines >70°C	2

More detailed information available on request.