

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

Physical Properties

Property	Test Method	Units	Typical Values
COLOUR			Black
HARDNESS	ISO 48	°IRHD	77
TENSILE STRENGTH	ISO 37	MPa	23.3
MODULUS @ 100%	ISO 37	MPa	16.4
ELONGATION @ BREAK	ISO 37	%	153
TEAR STRENGTH	ISO 34	N/mm	25.2
TR10	ISO 2921	°C	-8
SPECIFIC GRAVITY	ISO 2781	g/cm3	1.98
COMPRESSION SET VALUE IN AIR 25% STRAIN – 24HRS @ 204°C	ISO 815	%	10.3

Description

This Black FFKM material is designed for sealing applications requiring best in class chemical resistance. It has excellent compression set properties and this grade is particularly suitable for prolonged use with strong acids. 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 (+446°F) to -23°C (+9.4°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

Aromatics / Aliphatic Oils
Acids
Alkalis
Alcohols
Aldehydes
Amines
Ethers
Esters
Ketones
Propylene Oxide
Steam/Hot Water
Strong Oxidisers
Amines >70°C

Rating

1
1
1
1
1
1
1
1
1
1
1
1
1
2

More detailed information available on request.