

**Compound** **GPlast™ T128 NORSOK M-710 Rev 2 (UM)**  
**POLYMER TYPE:** Perfluoroelastomer FFKM90 (+/-5°)

## Physical Properties

Property	Test Method	Units	Typical Values
COLOUR			Black
HARDNESS	ISO 48	°IRHD	89
TENSILE STRENGTH	ISO 37	MPa	18.9
MODULUS @ 100%	ISO 37	MPa	N/A
ELONGATION @ BREAK	ISO 37	%	93
TEAR STRENGTH	ISO 34	N/mm	21.4
SPECIFIC GRAVITY	ISO 2781	g/cm3	1.96
COMPRESSION SET VALUE IN AIR			
25% STRAIN – 24HRS @ 204°C	ISO 815	%	26.5
TEMPERATURE RETRACTION TR10	ISO 2921	°C	-4

## Description

This compound is designed to give the best performance for rapid gas decompression and meets the requirements of NORSOK standard M-710 Rev 2. This Black material provides excellent temperature resistance up to +230°C (+450°F) and has similar chemical resistance to that of PTFE but with elastomeric properties comparable to standard fluorocarbon rubbers. Developed for optimum resistance through thermal cycling. 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 +230°C (+450°F) to -19°C (-2°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	Chemical Group	Rating
Aromatics / Aliphatic Oils	1	Ethers	1
Acids	1	Ethylene	1
Alkalis	1	Esters	1
Alcohols	1	Ketones	1
Aldehydes	1	Propylene Oxide	1
Amines	1	Steam/Hot Water	1
Amines >70°C	2	Strong Oxidisers	1

More detailed information available on request.

## Norsok

NORSOK M710 (Rev. 2, October 2001) in respect of rapid gas decompression resistance in 10% Carbon Dioxide at 150 bar and 100°C.

Compound	Summary Rating (Average of three)	Result
T128	1000	Pass