

MATERIAL TEST DATA

TRP COMPOUND REFERENCE N°:
TRPlast® 260B Flex+

Polymer Type: Perfluoroelastomer (FFKM)

Description

This black material has been developed for diaphragm applications. It has similar chemical resistance to that of PTFE but with elastomeric properties comparable to standard fluorocarbon rubbers. **Along with all our TRPlast® range, this grade is suitable for use in a wide range of applications where other polymers are not suitable.**



Do not use any TRPlast® grade with molten alkali metals.

Service Temperatures: +260°C (+500°F) to -7°C (+19°F).

TYPICAL PHYSICAL PROPERTIES	Property	Typical Values	Test Standard
	Colour	Black	
	Hardness (°IRHD)	64	ISO 48
	Tensile Strength (MPa)	17.7	ISO 37
	Modulus @ 100% (MPa)	6.9	ISO 37
	Elongation @ Break (%)	157	ISO 37
	TR10 (°C)	-7	ISO 2921
	Specific Gravity (g/cm³)	2.01	ISO 2781
	Compression Set Value in Air, 25% Strain, 24 hrs @ 100°C (%)	12.8	ISO 815

CHEMICAL RESISTANCE	Chemical Group	Rating	Chemical Group	Rating
	Aromatics/Aliphatic oils	1	Ethylene	1
	Acids	2	Esters	1
	Alkalis	1	Ketones	1
	Alcohols	1	Propylene Oxide	1
	Aldehydes	1	Steam/Hot Water	1
	Amines	1	Strong Oxidisers	1
	Ethers	1	Amines >70°C	2
	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 More detailed information available on request			

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