

MATERIAL TEST DATA

TRP COMPOUND REFERENCE N°:
TRPlast™ 260G Universal Green

Polymer Type: Perfluoroelastomer (FFKM)



Description

This green material provides excellent temperature resistance up to +260°C (+500°F) and 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 -15°C (+5°F).

TYPICAL PHYSICAL PROPERTIES	Property	Typical Values	Test Standard
	Colour	Green	
	Hardness (°IRHD)	74	ISO 48
	Tensile Strength (MPa)	14.5	ISO 37
	Modulus @ 100%	11.2	ISO 37
	Elongation @ Break (%)	150	ISO 37
	Tear Strength (N/mm)	14.3	ISO 34
	Specific Gravity (g/cm ³)	2.40	ISO 2781
	Compression Set Value in Air, 25% Strain, 24 HRS @ 204°C (%)	28.0	ISO 815

HEAT RESISTANCE	Property 72 HRS @ 260°C (ISO 188)	Typical Values	Test Standard
	Hardness Change (°IRHD)	-2	ISO 48
	Tensile Change (MPa)	-6.8	ISO 37
	Modulus @ 100% Change (MPa)	-30	ISO 37
	Elongation @ Break Change (%)	+40	ISO 37

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