

**TRP COMPOUND REFERENCE N°: T104**

*Customer Reference*

**TRPlast™ 641 – FDA Compliant**

**POLYMER TYPE:** *Perfluoroelastomer (FFKM)*

**DESCRIPTION:**

*This white FDA 21CFR177.2600 compliant material provides excellent temperature resistance up to + 240°C (+464°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.*

### TYPICAL PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUES	TEST STANDARD
<b>HARDNESS (IRHD)</b>	70 IRHD	ISO 48
<b>TENSILE STRENGTH (Mpa)</b>	14 MPa	ISO 37
<b>MODULUS @ 100% (Mpa)</b>	8.60 MPa	ISO 37
<b>ELONGATION @ BREAK (%)</b>	195 %	ISO 37
<b>TEAR STRENGTH (N/mm)</b>	33.8 N/mm	ISO 34
<b>SPECIFIC GRAVITY</b>	2.44	ISO 2781
<b>72 HRS COMPRESSION SET @ 204°C UNDER 25 % STRAIN</b>	22 %	ASTM D1414

### 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	1
Alkalis	1
Alcohol's	1
Aldehydes	1
Amines	1
Ethers	1
Ethylene Oxide	1
Esters	1
Ketones	1
Propylene Oxide	1
Steam / Hot Water	1
Strong Oxidisers	1

More detailed information available upon request

**DATA SHEET:**

**GM84**

**ISSUE DATE:**

**10/01/2002**

**ISSUE N°:**

**1**

**ISSUED BY:**

**A.T.**