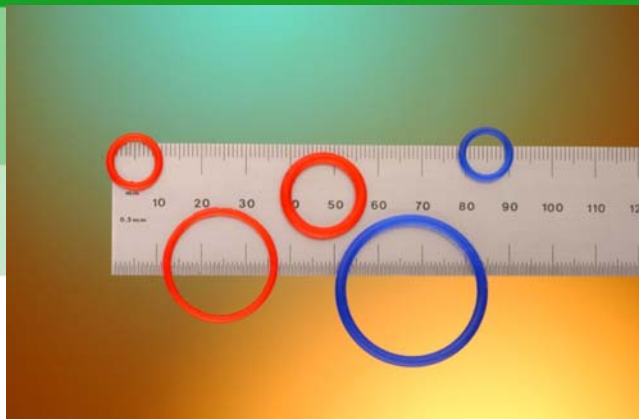


# MATERIAL TEST DATA

TRP COMPOUND REFERENCE  
N°: B105 (page 1 of 2)

Polymer Type: (SBR) Styrene Butadiene Rubber



## Description

A medium hard black SBR material with good abrasion resistance.

The material is formulated to give a smooth finish when ground, for use in fold roller applications for paper handling equipment.

**Service Temperatures  $-25^{\circ}\text{C}$  ( $-13^{\circ}\text{F}$ ) to  $+90^{\circ}$  ( $+194^{\circ}\text{F}$ ).**

TYPICAL PHYSICAL PROPERTIES	Property	Typical Values	Test Standard
	Colour	Black	
	Hardness ( $^{\circ}\text{IRHD}$ )	62	ISO 48
	Tensile Strength (MPa)	8.3	ISO 37
	Modulus @ 100% (MPa)	1.8	ISO 37
	Elongation @ Break (%)	380	ISO 37
	Tear Strength (N/mm)	32.6	ISO 34
	Specific Gravity ( $\text{g}/\text{cm}^3$ )	1.31	ISO 2781
	Moulding Shrinkage	Standard	
	24HRS Compression Set @ $100^{\circ}\text{C}$ Under 30% Strain	23.2	TRP Control Test

AIR-AGEING	Property (after 168 hours @ $100^{\circ}\text{C}$ )	Typical Values	Test Standard
	Hardness Change ( $^{\circ}\text{IRHD}$ )	+1	ISO 188
	Tensile Change (%)	-13.3	ISO 188
	Elongation Change (%)	-32.4	ISO 188
	Property (after 336 hours @ $100^{\circ}\text{C}$ )	Typical Values	Test Standard
	Hardness Change ( $^{\circ}\text{IRHD}$ )	+2	ISO 188
Tensile Change (%)	-16.9	ISO 188	
Elongation Change (%)	-49.7	ISO 188	

HIGH PERFORMANCE ELASTOMERS

# MATERIAL TEST DATA

TRP COMPOUND REFERENCE N°: B105 (page 2 of 2)

Polymer Type: (SBR) Styrene Butadiene Rubber

ABSORPTION TEST	Property (after 168 hours @ 100°C)	Typical Values	Test Standard
	Distilled Water		
	Volume Change (%)	10.4	ISO 1817
	Property (after 168 hours @ Room Temperature)	Typical Values	Test Standard
	PFE Rubber Roller Restorer : E0483A		
Volume Change (%)	90.6	ISO 1817	

H I G H P E R F O R M A N C E E L A S T O M E R S

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