RMMA-11

ESSENTRA
COMPONENTS

TECHNICAL DATA SHEET: TPE

	ISO / ASTM	UNIT	CONDITIONS	RESULTS
GENERAL PROPERTIES				
Density	297	g/cm3	23℃	0.96 – 1.08
THERMAL PROPERTIES				
Low Temperature Brittleness	746	℃		-50 _ -80
Service temperature				
Minimum		℃		-40
Maximum (continuous/intermittent)		℃		135 / 150
MECHANICAL PROPERTIES				
Hardness	2240	Shore A		35 - 90
Tensile strength at break	412	MPa		4 - 16
Elongation at break	412	%		300 -550
100% Modulus	412	MPa		1 – 7
Flexural Modulus	790	MPa		7 - 103
Tear Strength	624	kN/m		18 – 50
Compression Set	95	%	22h 25℃	10 – 35
			22h 100℃	15 - 55
CHEMICAL PROPERTIES				
Resistance to Weak / Strong Acids				Very Good / Good
Resistance to Weak / Strong Alkalis				Very Good / Good
Resistance to Organic Solvents				Fair
Resistance to Oils and Greases				Fair
Resistance to UV / Ozone				Very Good / Very Good

ESSENTRA COMPONENTS LTD
Langford Locks
Kidlington
Oxon
OX5 1HX
United Kingdon

T +44 (0)1865 841100
F +44 (0)1865 370135
E enquiries@essentra.com

www.essentra.com

Registered in England No. 547 495