

# KUMHO KTR<sup>®</sup> 104

## Technical Data Sheet

### | Product Description |

KUMHO KTR<sup>®</sup> 104 polymer is a linear block copolymer based on styrene and butadiene with bound styrene of 32.0% mass and diblock of 72%. It is supplied as a physical form of porous pellets.

### | Typical Properties |

Property	Value
Molecular structure	Linear (S-B) X 2
Physical form	Porous pellet
Styrene content (wt%)	32.0
Volatile matter (wt%)	0.5
Ash content (wt%)	0.1
Solution viscosity at 25°C, 25wt% in toluene (cps)	900
Tensile strength (kg <sub>f</sub> /cm <sup>2</sup> )	60
Elongation (%)	1,400
Tensile modulus at 300% (kg <sub>f</sub> /cm <sup>2</sup> )	18
Hardness, shore A / 5 sec (degree)	72
Melt flow index at 190°C, 5kg (g /10min)	3
Specific gravity	0.94
Extended oil content (wt%)	0
Application	Bitumen modifier Adhesive Plastic modifier Footwear

\* The above data is typical, therefore there may be a slight difference from the physical properties of the supplied product.

## | Characteristics |

Fields	Characteristics
<b>Bitumen modifier</b> - road paving - roofing sheets	<ul style="list-style-type: none"> <li>• Improve adhesion properties</li> <li>• Reduce the sensitivity to temperature change</li> <li>• Improve low temperature flexibility</li> <li>• Extend life span of pavement</li> </ul>
<b>Adhesive</b>	<ul style="list-style-type: none"> <li>• Improve tack properties</li> </ul>
<b>Plastic modifier</b>	<ul style="list-style-type: none"> <li>• Improve impact resistance</li> <li>• Reprocessable</li> </ul>

## | Package |

CAS NO	Packing unit (kg)	
	Paper bag (Pallet)	Jumbo bag
9003-55-8	15 (600)	500

## | Handling Precaution |

The direct exposure to sunlight, heat, and humidity may cause discoloration or deterioration.

Keep the product away from sunlight, humidity, and chemicals, and store in cool and dry places below 35°C.