

# KUMHO KTR<sup>®</sup> 103

## Technical Data Sheet

### | Product Description |

KUMHO KTR<sup>®</sup> 103 polymer is a linear block copolymer based on styrene and butadiene with bound styrene of 31.5% mass. It is supplied as a physical form of porous pellets.

### | Typical Properties |

Property	Value
Molecular structure	Linear (S-B-S)
Physical form	Porous pellet
Styrene content (wt%)	31.5
Volatile matter (wt%)	0.5
Ash content (wt%)	0.08
Solution viscosity at 25°C, 25wt% in toluene (cps)	2,000
Tensile strength (kg <sub>f</sub> /cm <sup>2</sup> )	260
Elongation (%)	740
Tensile modulus at 300% (kg <sub>f</sub> /cm <sup>2</sup> )	33
Hardness, shore A / 5 sec (degree)	75
Melt flow index at 200°C, 5kg (g /10min)	max. 1
Specific gravity	0.94
Extended oil content (wt%)	0
Application	Bitumen modifier Plastic modifier Adhesives 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 compatibility with bitumen</li> <li>• Increase softening point of bitumen</li> <li>• Reduce the sensitivity to temperature change</li> <li>• Improve low temperature flexibility</li> <li>• Improve elasticity and impact resistance</li> <li>• Extend life span of pavement</li> </ul>
<b>Plastic modifier</b>	<ul style="list-style-type: none"> <li>• Increase elasticity and impact property</li> <li>• Improve abrasion 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.