

KUMHO KTR[®] 401

Technical Data Sheet

| Product Description |

KUMHO KTR[®] 401 polymer is a radial block copolymer based on styrene and butadiene with bound styrene of 31.0% mass. It is supplied in two physical forms, identified as follows in the grade nomenclature:

- ☒ KTR 401 supplied as porous pellets
- ☒ KTR 401P supplied as powder

| Typical Properties |

Property	Value
Molecular structure	Radial (S-B) X 4
Physical form	Porous pellet / Powder
Styrene content (wt%)	31.0
Volatile matter (wt%)	0.5
Ash content (wt%)	0.08
Solution viscosity at 25°C (cps) - 5.23wt% in toluene	23.8
Tensile strength (kg _f /cm ²)	250
Elongation (%)	700
Tensile modulus at 300% (kg _f /cm ²)	31
Hardness, shore A / 5 sec (degree)	82
Melt flow index at 200°C, 5kg (g /10min)	max. 1
Specific gravity	0.94
Extended oil content (wt%)	0
Application	Bitumen 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
Bitumen modifier - road paving - roofing sheets	<input type="checkbox"/> Increase softening point of bitumen <input type="checkbox"/> Reduce the sensitivity to temperature change <input type="checkbox"/> Improve low temperature flexibility <input type="checkbox"/> Improve elasticity and impact resistance <input type="checkbox"/> Extend life span of pavement
Adhesives - solvent based	<input type="checkbox"/> Excellent low temperature flexibility <input type="checkbox"/> Easy to be dissolved in various solvents
Footwear	<input type="checkbox"/> Increase elasticity <input type="checkbox"/> Good colorability <input type="checkbox"/> Excellent low temperature flexibility

| Package |

CAS NO	Packing unit (kg)	
	Paper bag (Pallet)	Jumbo bag
9003-55-8	15 (600)	500, 1000

| 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.