

Kumho KTR KTR-401

Styrene Butadiene Styrene Block Copolymer

Korea Kumho Petrochemical Co., Ltd.

Message:

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

General Information		
Forms	Pellets	
Physical	Nominal Value	Unit
Specific Gravity	0.938	g/cm ³
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	< 1.0	g/10 min
Ash Content	0.1	wt%
Oil Content	0.0	wt%
Solution Viscosity ¹ (25°C)	24	mPa · s
Styrene Content	31.0	wt%
Volatile Matter	0.50	wt%
Hardness	Nominal Value	Unit
Durometer Hardness (Shore A, 5 sec)	82	
Elastomers	Nominal Value	Unit
Tensile Stress (300% Strain)	3.04	MPa
Tensile Strength (Break)	24.5	MPa
Tensile Elongation (Break)	700	%
NOTE		
1.	5.23 wt% in toluene	

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