

Alloy Wire International RW 41 Hot Cutting Wire - Ultra High Strength

Category : Metal

Material Notes:

Maintains high strength at elevated temperatures. Used for cutting expanded polystyrene (EPS) foam and other materials. May be used on oscillating cutting frames in continuous service. Information provided by Alloywire International.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Alloy-Wire-International-RW-41-Hot-Cutting-Wire-Ultra-High-Strength.php

Physical Properties	Metric	English	Comments
Density	8.25 g/cc	0.298 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	13.6 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	7.56 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
	@Temperature 20.0 - 100 $^\circ\text{C}$	@Temperature 68.0 - 212 $^\circ\text{F}$	
Melting Point	1345 $^\circ\text{C}$	2453 $^\circ\text{F}$	
Maximum Service Temperature, Air	300 $^\circ\text{C}$	572 $^\circ\text{F}$	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.000131 ohm-cm	0.000131 ohm-cm	
	@Temperature 20.0 $^\circ\text{C}$	@Temperature 68.0 $^\circ\text{F}$	

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