

Features

- Wear Resistance
- High Impact Strength
- Good Resistance to Chemicals
- Low coefficient of Friction
- Good wear properties
- Good impact strength

RS PRO: Polystone M Natural HDP Cutting stick 1000 – 10mm x 10mm x 449.6mm

RS Stock No.: 0360234



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

- This product is used in: Mechanical Engineering Industry, Conveyor Technology & Automation, Food Industry and Bakery & Confectionery
- Handrail profiles for boards, Fenders, Chain guide profile for chain guides,

General Specifications

Material	Plastic
Flammability	UL 94 HB
Application	Handrail Profiles, chain guides and fenders
Grade	Plastic
Water Absorption	<0,01
Finish	Natural
Density	G/CM3

Mechanical Specifications

Elongation at break	>200%
Notched Impact Strength	No Break
Length	449.6mm
Width	10mm
Thickness	10mm
Tensile modulus of elasticity	680 MPa
Yield Stress	≥20 MPA
Shore Hardness	63 Scale D
Wear Resistance	80

Electrical Specifications

Dielectric Constant	2,3
Dielectric Dissipation Factor (106HZ)	0,0001
Volume Resistivity	>10
Surface Resistivity	>10
Comparative Tracking index	600
Dielectric Strength	45 kV/mm

Thermal Properties

Melting temperature	135 °C
Thermal Conductivity	0,40 W / (m*k)
Thermal Capacity	1,90KJ
Coefficient of Linear thermal expansion	150-230
Service temperature, long term	-250-80 °C
Service temperature, short term	130 °C
Vicat softening temperature	80 °C