

Cable Liner With High Efficiency

FITCO[®] Liner Natural PTFE

Description

Economic PTFE control cable liner for light duty, high temperature applications and low to medium life cycles. Typically used for hood latch cables of automobiles as well as door latches, lock controls and emergency release cables. The low friction coefficient and the high flexibility of natural PTFE warrants high performance in a wide variety of demanding applications.

Attributes	Testing	Units	Natural PTFE
Typical			
Molecular weight			10 ⁶ -10 ⁷
Comonomer content		% weight	< 1
Melting point	(ASTM D-4591)	°C	327-342
Melt viscosity		Pa.s	10 ¹⁰ -10 ¹¹
Color			translucent
Thermal			
Service temp.	20 000 h	°C	260
Flame class	UL 94		V-0 non burning
Limiting oxygene		%	> 95
Heat of combustion	ISO 1716	MJ/kg	4.9-5.0
Mechanical			
Specific gravity	ISO 1183	g/cm ³	2.16
Tensile strength at break	ISO 12086	MPa	Typical value: 33
Ultimate elongation	ISO 12086	%	325
Flexural modulus	ISO 178	MPa	490
Hardness	ISO 868	Shore D	D-55
Coefficient of friction	Dynamic, ASTM D 1894		0.1

Dimensions, tolerances and packaging upon request.