

Abrasion Resistant Cable Liner

FITCO[®] Liner HP280

Description

PTFE based economic Control Cable Liner for light duty, high temperature applications (up to 200 °C) where high performance and long life liner is not required. Filled material with the basic anti-slip stick characteristic provided by PTFE. The filler is a proprietary inert inorganic compound that increases the hardness and pinch resistance compared to natural PTFE. The liner does not support combustion.

Applications

Ideally suited for hood latch cables that are subjected to high temperatures found in engine compartments of automobiles as well as door latches and lock controls. High crush resistance permits steel wrapping without intermediate support jacket.

Features

- ✓ Elimination of “slip stick”
- ✓ High crush resistance compared to virgin PTFE
- ✓ Ultimate life cycle > 550,000
- ✓ 90% average efficiency through 500,000 cycles
- ✓ Operating temperature > 200°
- ✓ Light to moderate loads
- ✓ Non-burning- UL 94 -V0

Operating temperature: > + 200°

Standard color: Light gray

Parameters

Test cycles	500,000 cycles
Spring load	6 - 25 Lbs.
Average efficiency	83%
Change in liner weight	-2 mg
Ultimate cycle life	> 550,000

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Properties	Test Method	Typical Value
Mechanical		
Tensile strength at break	ASTM D 638	5000 psi
Elongation at break	ASTM D 638	200 %
Pinch resistance	SAE-128	5.0 lbs.
Specific gravity	ASTM D 792 Method A-1	2.20
Hardness shore D	ASTM D 676	55
Thermal		
Melt point	ASTM D 1457	328.29°C
Flammability	UL94	V0 non-burning
Chemical		
Chemical resistance	-	Inert
Sandpaper abrasion	MIL-T-5438	518 mm