



FLEXO® CLEAN CUT® HD RESISTS FRAYING WHEN CUT WITH SCISSORS · RESIN COATED CUT & ABRASION RESISTANCE

CLEAN CUT® HD (CCH) is perfect for heavy duty applications where there is no access to a hot knife. This dual monofilament sleeve is constructed with 10 mil polyethylene terephthalate (PET) and 15 mil nylon 6-6 polyamide monofilament yarns for superior strength. For an extra level of protection, a resin coating is applied to offer improved abrasion, cut, and fray resistance. The open-weave construction expands to fit several application shapes and sizes, and also makes this sleeving highly flexible and resistant to trapping moisture, heat and humidity. Clean Cut® HD is commonly used in military, marine, and industrial applications where additional abrasion and moisture protection is needed.

SIZING CHART

Nominal Size	Part #	Min Expansion	Max Expansion	*Put-Ups		Available Colors	Lbs/100'
				M	L		
1/8"	CCH0.13BK	1/8"	1/4"	100'	1,000'	1	0.28
1/4"	CCH0.25BK	1/8"	3/8"	100'	1,000'	1	0.42
3/8"	CCH0.38BK	1/4"	1/2"	100'	500'	1	0.80
1/2"	CCH0.50BK	3/8"	3/4"	100'	500'	1	1.06
3/4"	CCH0.75BK	3/4"	1 1/4"	75'	250'	1	1.60
1"	CCH1.00BK	1"	1 1/2"	50'	250'	1	1.71
1 1/4"	CCH1.25BK	1 1/4"	2 1/4"	50'	250'	1	2.02
1 1/2"	CCH1.50BK	1 1/2"	2 1/2"	50'	200'	1	2.70
2"	CCH2.00BKBK	2"	3 1/4"	25'	100'	1	3.36

*Put-Ups: "M" = Shop Spool and "L" = Bulk Spool

FEATURES

Material	Polyethylene Terephthalate & Nylon 6-6 Polyamide
Grade	CCH
Monofilament Diameter	.010" & .015"
Drawing Number	TF001CCH-WD
Cutting	Scissors

COLORS



Black (BK)

CERTIFICATIONS





ABRASION

Abrasion Resistance	VERY HIGH
Abrasion Test Machine	Taber 5150
Abrasion Test Wheel	Calibrase H-18
Abrasion Test Load	500g
Room Temperature	75°F
Humidity	15%
Slightly Worn	400 Test Cycles
Worn To One Thread Break	1,000 Test Cycles
Fraying	1,600 Test Cycles
Broken Filaments - Material Destroyed	3,600 Test Cycles
Pre-Test Weight	3,691.4 mg
Post-Test Weight	2,073.8 mg
Test End Loss Of Mass Point Of Destruction	1,617.6 mg

PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	.010" & .015"
Flammability Rating (SAE FMVSS-302)	Self Extinguishing
Recommended Cutting	Scissors
Colors	1
Wall Thickness	.0285"
Tensile Strength (Yarn) (ASTM D-2256 Lbs)	
Specific Gravity (ASTM D-792)	
Moisture Absorption % (ASTM D-570)	
Hard Vacuum Data (ASTM E-595 at 10-5 torr)	
TML	
CVCM	
WVR	
Smoke D-Max (ASTM E-662)	
Outgassing	
Oxygen Index (ASTM D-2863)	

FLAMMABILITY

Rating (SAE FMVSS-302)	Self Extinguishing
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OPERATING TEMPERATURES

Melt Point (ASTM D-2117)	509°F / 265°C
Maximum Continuous (Mil-I-23053)	257°F / 125°C
Minimum Continuous (Mil-I-23053)	-49°F / -45°C

CHEMICAL RESISTANCE

1=No Effect 2=Little Effect 3=Affected 4=More Affected 5=Severely Affected

Engine Oil (SAE J 2192)	1
Gasoline (SAE J 2192)	1
Diesel Fuel (SAE J 2192)	1
Power Steering Fluid (SAE J 2192)	1
Transmission Fluid (SAE J 2192)	1
Engine Coolant (SAE J 2192)	1
Battery Fluid (SAE J 2192)	1
5% NaCl - Salt Water (SAE J 2192)	1
Halogen Free	
RoHS	Yes
SVHC	