EGS Electrical Group NELSON Firestop Products

MCT™ / MPS™ System Tecron / Flexron

Technical Data

➢ Product Description

Nelson MCT™ modules are a molded, neoprene based product, which form an airtight/watertight seal and provide maximum fire protection of cables passing through fire rated walls, floors, decks, or bulkheads.

➢ Application

Modules are selected to coordinate with cable diameters passing through the wall, floor, bulkhead or deck being penetrated. A variety of welded metal frames are utilized to house the modules. Blank modules are used to fill unused spaces. The finished frame assembly will be completely filled using modules and related stay plates, compression plate and end packing such that a compression fit is applied to all modules within the frame

➢ Availability

Most modules, strips and accessory items are in stock. Please contact a distributor or Customer Service for more information.

➢ Uses

Firestop device for use in fire rated walls or floors in construction applications and in marine vessel decks and bulkheads.

➢ Features

- Neoprene based – good resistance to acids, gasoline, lube oils, animal and vegetable oils, oxidation, ozone and weather.
- Good dielectric strength.
- High tensile strength, tear resistance, abrasion resistance.
- Good rebound characteristics.
- Up to 4 hour fire rating.

➢ Physical Properties

Boiling Point	Not established
Specific Gravity	@ 68ºF 1.7 – 1.9
Vapor Pressure (mmHg) and Temperature	Solid
Melting Point	>1000ºC
Vapor Density (Air =1)	Solid
Evaporation Rate	Solid
Appearance	Brick Red
Odor	None
Durometer Tecron	68 – 75
Flexron	45 - 55

➢ Test Compliance

MIL-S-901C	Shock Test
MIL-STD-167-1	Vibration Test
MIL-P-24705	QPL 2000ºF
IMO A. 754 (18)	A. III & A. IV

- ASTM E-814 and UL1479 – Test method for through stop fire penetrations.

➢ Approvals

- Underwriters Laboratories, Inc.
- U. S. Navy
- U. S. Coast Guard
- American Bureau of Shipping (ABS)
- Det Norske Veritas (DNV)
- Lloyds Register

➢ Testing Data

Available upon request. For UL approval see Underwriters Laboratories “Fire Resistance Directory”.

➢ Storage & Handling

Tecron & Flexron modules should be stored indoors between 40ºF (4ºC) & 90ºF (32ºC).

➢ Related References

Underwriters Laboratories Inc. "Fire Resistance Directory". Application details are available in AutoCAD® format on request.

NELSON FIRESTOP PRODUCTS
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