

## Neoflon® ETFE EP-546

Neoflon® ETFE EP-546 was developed for extrusion of coatings of medium to big wire sizes such as aerospace wire, automotive wire, appliance wire, film, and tubing, etc. It may also be used for injection molding parts.

Properties*			
Melt Flow Rate, 297 °C, g/10 min	ASTM D-3159	4.0 - 8.0	
Melting Point (DSC), °C	ASTM D-3159	249 - 259	
Tensile Strength, MPa	ASTM D-3159	35 - 59	
Elongation, %	ASTM D-3159	310 - 590	
Specific Gravity, g/cc	ASTM D-792	1.750 - 1.790	
Flexural Modulus	ASTM D-790	800-950 MPa	
Hardness Durometer (Shore D)	ASTM D-2240	70	
Impact Strength	ASTM D-256	No Break	
Linear Coefficient of Expansion	ASTM E-831	13 X 10 <sup>5</sup>	
MIT Flex Life (cycles, average)	ASTM D-2176	79,000	
Limited Oxygen Index	ASTM D-2863	35	
Dielectric Constant (1MHz)	ASTM D-1531	2.5 - 2.6	
Dissipation Factor (1MHz)	ASTM D-1531	0.007	
Dielectric Strength (0.25mm)	ASTM D-149	1400V/mil	

\* Typical properties are not suitable for specification purposes.

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**MEDICAL USE:** This product is not specifically designed or manufactured for use in medical implantation and/or dental devices. We have not tested it for such application and will only sell it for such use pursuant to contract containing specific terms and conditions required by us.