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Teflon® FEP CX5010, FR5020 and FR5030

Teflon® FEP CX5010, FR5020 and FR5030 are listed in order of ascending nucleating efficiency. Foaming FEP enhances its electronic properties, providing opportunities for miniaturization and weight savings.

Teflon® FEP CX5010 is ideal for producing coaxial cable cores in a broad range of sizes. The core diameters can vary from 0.05 in. (1.27 mm) to 0.50 in. (12.7 mm). Foamed coaxial cables of Teflon® FEP CX5010 are known for high-frequency signal transmission with minimal distortion. A typical coaxial cable core made from Teflon® FEP CX5010 contains up to 60 percent voids. These voids are closedcell in nature and range from 0.001 in. (0.025 mm) to 0.010 in. (0.25 mm) in diameter. Teflon® FEP CX5010 has an MFR range of 6.4 to 7.5.

Teflon® FEP FR5020 is an excellent material for producing the foamed primary dielectric insulation in a cable that possesses an overall shield or shields on each twisted pair in that cable. The primary core diameters can vary from 0.05 in. (1.27 mm) to 0.10 in. (2.54 mm). Foamed insulation primaries of Teflon® FEP FR5020 are known for high frequency signal transmission with minimal distortion. These foam cores may contain 20 to 40 percent voids. These voids are closed cell in nature and range from 0.0007 in. (0.018 mm) to 0.002 in. (0.05 mm) in diameter. Teflon® FEP FR5020 and FR5030 have an MFR range of 19 to 25.

Teflon® FEP FR5030 is an excellent material for producing the foamed primary dielectric insulation in a cable that possesses unshielded twisted pairs. It is the most efficient nucleated FEP compound in the range. Cable primary core diameters can vary from, 0.035 in. (0.89 mm) to 0.050 in. (1.27 mm). Foamed insulation primaries of Teflon® FEP FR5030 are known for high-frequency signal transmission with minimal distortion. These foam cores may contain 20 to 40 percent voids. These voids are closed cell in nature and range from 0.0007 in. (0.018 mm) to 0.0013 in. (0.033 mm) in diameter.

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