

PANDA PM Specialty Fibers

Key Optical Specifications for All Coatings

	PM 1550	PM14XX	PM 1300	PM 980	PM 850	PM 630	PM 480	PM 400
Wavelength (nm)	1550	1400-1490	1300	980	850	630	480	410
Mode-field Diameter (μm)	10.5 ± 0.5	9.8 ± 0.5	9.0 ± 0.5	6.6 ± 0.5	5.5 ± 0.5	4.5 ± 0.5	4.5 ± 0.5	3.5 ± 0.5
Beat Length Range (mm)	3.0-5.0	2.8-4.7	2.5-4.0	1.5-2.7	1.0-2.0	^a 2.0	^a 2.0	^a 1.7
Maximum Cross Talk at 100 m (dB)	-30	-30	-30	-30	-30	-30	-30	-30*
Typical Cross Talk at 4 m (dB)					-40			
Cutoff Wavelength (nm)	1300-1440	1260-1380	1130-1270	870-950	650-800	520-620	400-470	330-400
Maximum Attenuation (dB/km)	0.5	1.0	1.0	2.5	3.0	12	30	^a 50

* PM 400 Cross Talk is ≤ -30dB/100 m at 410 nm and 480 nm measurement wavelengths

Key Geometric, Mechanical and Environmental Specifications (-U25D) UV/UV Acrylate

	PM 980
Part Number	PM 98-U25D
Core-to-Cladding Offset (μm)	≤ 0.5
Coating Outer Diameter (μm)	245 ± 15
Cladding Outer Diameter (μm)	125 ± 1
Standard Lengths*	100 m, 200 m, 300 m, 400 m, 500 m, 1 km
Proof Test (kpsi)	100 (200 optional)
Operating Temperature (°C)	-40 to 85

* For longer lengths contact Corning

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Key Geometric, Mechanical and Environmental Specifications (-U40D) UV/UV Acrylate

	PM 1550	PM14XX	PM1300	PM 980	PM 850	PM 630	PM 480	PM 400
Part Number	PM 15-U40D	PM 14-U40D	PM 13-U40D	PM 98-U40D	PM 85-U40D	PM 63-U40D	PM 48-U40D	PM 40-U40D
Core-to-Cladding Offset (μm)	≤ 0.5							
Coating Outer Diameter (μm)	400 ± 15							
Cladding Outer Diameter (μm)	125 ± 1							
Standard Lengths*	100 m, 200 m, 300 m, 400 m, 500 m, 1 km							
Proof Test (kpsi)	100 (200 optional)							
Operating Temperature (°C)	-40 to 85							

* For longer lengths contact Corning

Key Geometric, Mechanical and Environmental Specifications (-H90D) Polyester-Elastomer

	PM 1550	PM14XX	PM 1300	PM 980	PM 850	PM 630	PM 480	PM 400
Part Number	PM 15-U90D	PM 14-U90D	PM 13-U90D	PM 98-U90D	PM 85-U90D	PM 63-U90D	PM 48-U90D	PM40-U90D
Core-to-Cladding Offset (μm)	≤ 0.5							
Coating Outer Diameter (μm)	900 ± 100							
Cladding Outer Diameter (μm)	125 ± 1							
Standard Lengths*	100 m, 200 m, 300 m, 400 m, 500 m, 1 km							
Proof Test (kpsi)	100 (200 optional)							
Operating Temperature (°C)	-40 to 85							

* For longer lengths contact Corning