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OPTRAL

OPTRAL Technical Department

TECHNICAL SPECIFICATION

<u>REFERENCE:</u>	ET.04.105i
<u>PRODUCT:</u>	GI Multimode Optical Fibre
<u>TYPE:</u>	100/140
<u>REV:</u>	01/2004

OPTICAL PROPERTIES

(According to IEC 60793-2)

- Attenuation Coefficient
 - 850 nm ≤ 3.5 dB/Km
 - 1300 nm ≤ 1.0 dB/Km
- Modal Bandwidth
 - 850 nm 100 to 500 MHz x Km
 - 1300 nm 100 to 500 MHz x Km
- Numerical Aperture 0.290 \pm 0.015
- Zero Dispersion Wavelength 1332 – 1358 nm
- Group Index of Refraction
 - 1.497 @ 850 nm
 - 1.492 @ 1300 nm

GEOMETRICAL PROPERTIES

(According to IEC 60793-2)

- Core diameter 100 \pm 4.0 μ m
- Core non-circularity ≤ 5 %
- Core / Cladding concen. error ≤ 3 μ m
- Cladding diameter 140 \pm 2 μ m
- Cladding non-circularity ≤ 1 %
- Primary coating diameter 245 \pm 10 μ m
- Coating non-circularity ≤ 6 %
- Coating concentricity error ≤ 12.5 μ m
- Proof Test
 - ≥ 8.8 N
 - ≥ 1 %
 - ≥ 100 Kpsi

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