

HFI 260

Material Information



Property	Test method	Conditions	Value
Physical and Mechanical			
Cont. service temp.	IEC 60216	20000h	190°C
Density	ASTM D792		1.3 g/cm ³
Elongation at break	ASTM D638	23°C	150%
Flexural modulus	ISO R178	120°C	4 GPa
Flexural modulus	ISO R178	23°C	4.1 GPa
Flexural modulus	ISO R178	250°C	0.3 GPa
Hardness shore	ASTM D2240		85D
Radiation resistance	IEC 60544		>10 ¹⁷ Gy
Temperature range			-60°C to 200°C
Tensile strength at break	ASTM D638	23°C	100 MPa
Tensile strength at break	ASTM D638	250°C	12 MPa
Water absorption	ASTM D570		0.50%
Electrical			
Dielectric constant	ASTM D150	0.1kHz/ 10MHz	3.2/ 3.2
Dissipation factor	ASTM D150	0.1kHz/ 10MHz	0.001/ 0.003
Volume resistivity	ASTM D150		10 ¹⁶ ohm-cm
Volume resistivity	ASTM D257		10 ¹⁶ ohm-cm
Flammability			
Combustion corrosivity	DIN 57472-813		pH 3.8/ 70uS/cm
Flammability	UL 94	1.45 mm	V-0
Oxygen index	ASTM D2863		35%
Smoke index	Def St 61-12 part 18/2	per m wire	< 1
Temperature index	NES 715		325°C
Toxicity index	Def St 61-12 part 18/2	per m wire	0.07
Chemical			
Acids		excellent	
Bases		excellent	
Fuels		excellent	
Oils		excellent	

IMPORTANT

Habia Cable has compiled the information contained herein from what it believes are authoritative sources and believes that is accurate and factual as of the date printed.

It is offered solely as a convenience to its customers and is intended only as a guide concerning the materials mentioned.

Any changes in the data sheet will be made without notification.

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