

## Flexible thin wall Kynar®

TECHNICAL DATA: DERAY®-KYF 190	CURRENT VALUES	TEST METHODS
<b>Material</b>		
Material	Fluoropolymer, modified; free of lead and cadmium	n/a
Surface	smooth	n/a
Specific gravity	1.8 g/cm <sup>3</sup> max.	ASTM-D 792, A-I
Shrink ratio	2:1	n/a
Longitudinal shrinkage	-6% max.	ASTM-D 2671
<b>Mechanical</b>		
Tensile strength	30 MPa	IEC 60684-2
Elongation	450%	IEC 60684-2
Secant modulus	300 MPa max.	ASTM-D 882
<b>Thermal</b>		
Tensile strength after heat aging (168 hr at 215°C)	20 MPa	IEC 811-1-2
Elongation after heat aging (168 hr at 215°C)	300%	IEC 811-1-2
Tensile Strength after heat shock (4 hr at 275°C)	20 MPa	IEC 811-1-2
Elongation after heat shock (4 hr at 275°C)	250%	IEC 811-1-2
Cold bend test	does not break at -55°C	ASTM-D 2671 Meth. C
Combustion behaviour	selfextinguishing	UL 224 VW-1
Shrink temperature	175°C min.	n/a
Storage temperature	50°C max.	n/a
Continuous operating temperature	-55°C to 190°C	IEC 216
<b>Chemical</b>		
Corrosive action	non-corrosive	ASTM-D 2671 Meth. A
Compatibility with copper	non-corrosive	ASTM-D 2671 Meth. B
Resistance against chemicals	good	n/a
Resistance against mould	does not promote mould	ISO 846
Water absorption	0.30%	VDE 0472
<b>Electrical</b>		
Dielectric strength	33 kV/mm	VDE 0303 Part 2
Volume resistivity	10 <sup>13</sup> Ω x cm	VDE 0303 Part 3

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#### FOR FURTHER INFORMATION, PLEASE CONTACT:

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