

Semi-rigid thin wall Kynar®

TECHNICAL DATA: DERAY®-KY 175	CURRENT VALUES	TEST METHODS
Material		
Material	PVDF, modified; free of lead and cadmium	n/a
Surface	smooth	n/a
Specific gravity	1.80 g/cm ³ max.	ASTM-D 792, A-I
Shrink ratio	2:1	n/a
Longitudinal shrinkage	-6% max.	ASTM-D 2671
Mechanical		
Tensile strength	37 MPa	ASTM-D 2671
Elongation	450%	ASTM-D 2671
Secant modulus	750 MPa max.	ASTM-D 882
Thermal		
Tensile strength after thermal ageing (168 h at 200°C)	45 MPa	IEC 811-1-2
Elongation after thermal ageing (168 h at 200°C)	230%	IEC 811-1-2
Tensile strength after thermal shock (4 h at 250°C)	48 MPa	IEC 811-1-2
Elongation after thermal shock (4 h at 250°C)	300%	IEC 811-1-2
Cold bend test	does not break at -55°C	ASTM-D 2671 Meth. C
Flammability	selfextinguishing	UL 224 VW-1
Shrink temperature	175°C min.	n/a
Storage temperature	40°C max.	n/a
Continuous operating temperature	-55°C to 175°C	IEC 216
Chemical		
Corrosive action	non-corrosive	ASTM-D 2671 Meth. A
Compatibility with copper	non-corrosive	ASTM-D 2671 Meth. B
Resistance against chemicals	very good	n/a
Water absorption	0.07% max.	VDE 0473
Resistance against fungus	does not promote fungus growth	ISO 846
Electrical		
Dielectric strength	31.5 kV/mm	VDE 0303 Part 2
Spec. volume resistivity	10 ¹³ Ω x cm	VDE 0303 Part 3

*Kynar® is a registered trademark of ATOFINA

FOR FURTHER INFORMATION, PLEASE CONTACT:

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