

# DERAY®-HXKT

Thin wall adhesive lined crosslinked semi-rigid polyolefin



TECHNICAL DATA	CURRENT VALUES	TEST METHODS
Material		
Material	Polyolefin, modified, free of lead and cadmium	n/a
Surface	matt, smooth	n/a
Specific gravity	1.25 g/cm <sup>3</sup> max.	ASTM-D 792, A-I
Shrink ratio	> 2:1	n/a
Longitudinal shrinkage	-10% max.	ASTM-D 2671
Mechanical		
Tensile strength	15 MPa	IEC 60684-2
Elongation	400%	IEC 60684-2
Secant modulus	250 MPa max.	ASTM-D 882
Thermal		

TECHNICAL DATA	CURRENT VALUES	TEST METHODS
Tensile strength after Thermal ageing (168 h at 158°C)	14 MPa	UL 224
Elongation after Thermal ageing (168 h at 158°C)	320%	UL 224
Tensile strength after Thermal shock (4 h at 200°C)	15 MPa	IEC 811-1-2
Elongation after Thermal shock (4 h at 200°C)	360%	IEC 811-1-2
Cold bend test	does not break at -55°C	ASTM-D 2671 Meth. C
Combustion behaviour	passed	FM VSS 302
Shrink temperature	110°C to 200°C	n/a
Storage temperature	50°C max.	n/a
Continuous operating temperature	-55°C to 110°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	good	n/a
Water absorption	0,5%	VDE 0473
Electrical		
Dielectric strength	20 kV/mm	VDE 0303 Part 2
Spec. volume resistivity	$10^{13}\Omega \times \text{cm}$	VDE 0303 Part 3

Version: 01 2018/JAN/02