

Medium wall heat shrink crosslinked modified polyethylene

TECHNICAL DATA: DERAY®-MC 225	CURRENT VALUES	TEST METHODS
Material		
Material	PE, modified; free of lead and cadmium	n/a
Surface	matt	n/a
Specific gravity	1.0 g/cm ³ max.	IEC 60684-2
Longitudinal shrinkage	-10% max.	IEC 60684-2
Shrink ratio	3:1	IEC 60684-2
Mechanical		
Tensile strength	21 MPa	IEC 60684-2
Elongation	540%	IEC 60684-2
Secant modulus	250 MPa max.	IEC 60684-2
Thermal		
Tensile strength after thermal ageing (168 h at 158°C)	20 MPa	IEC 60684-2
Elongation after thermal ageing (168 h at 158°C)	450%	IEC 60684-2
Tensile strength after thermal shock (4 h at 200°C)	18 MPa	IEC 60684-2
Elongation after thermal shock (4 h at 200°C)	450%	IEC 60684-2
Cold bend test	does not break at -40°C	IEC 60684-2
Combustion behaviour	passed	FMVSS 302
Shrink temperature	120°C min.	DSG-Canusa internal
Storage temperature	40°C max.	IEC 60684-2
Continuous operating temperature	-40°C to 135°C	IEC 60684-2
Chemical		
Corrosive action	non-corrosive	ASTM-D 2671 IEC 60684-2. A
Compatibility with copper	non-corrosive	IEC 60684-2
Resistance against chemicals	good	n/a
Water absorption	0.20%	IEC 60684-2
Electrical		
Dielectric strength	22 kV/mm	IEC 60684-2
Spec. volume resistivity	10 ¹⁴ Ω x cm	IEC 60684-2

FOR FURTHER INFORMATION, PLEASE CONTACT:

Americas: 800 422 6872 Canada: 800 845 6808 Asia Pacific: +86 512 82280099 Europe: +49 2226 9047 355

We advise that customers should separately evaluate the suitability of our products for their particular application. Our responsibilities are only those listed in our Standard Terms and Conditions of Sale for these products. Please ask for the latest version of this data sheet. Subject to modification without prior notice.