Product data sheet

Meltell®

310 & 311 white, 320 black, 330 grey, 332 anthracite

Updated on: 29.07.2024

Reference standart: EN 15651-1:2012

Distributor: SIGA

Type of application: Sealing of window, door and façade joints, leaks and penetrations in interior and exterior areas

Instructions: see manual

Construction: 1-component hybrid polymer STP sealant, silicone- and isocyanate-free, low-odour, paintable / recoatable

Characteristics:

		Standards	Units	Values	
Meltell variant				310/ 320/ 330/332	311
Content	catridge tubular bagl		ml	310 600	
Colour				White / black / grey / anthracite	White
Density	at 23° C	ISO 1183-1	g/cm³	~ 1.5	
Temperature resistance			°C	-40 to +90	
Processing temperature			°C	-10 to + 40	
Fire classification		EN 13501		Class B	
Permissible total deformation			%	25	
Water vapour diffusion resistance μ		ISO 7783		~ 800	~ 900
Air layer thickness equivalent to diffusion s_d	10 mm Sealant thickness	ISO 7783	m	~ 8	~ 9
Skin formation time	at 23°C/50% RH		min	~ 20-30	~ 20
Curing in 24h	at 23°C/50% RH		mm	~ 2-3	
Tensile strength		ISO 37, Type3	N/mm²	~ 1.7	~ 0.7
Elongation at break		ISO 37, Type3	%	~ 700	~ 530

Shore A hardness		ISO 868		~ 25	
Elongation stress value at 100%		ISO 8339, B ISO 37, Type3	N/mm²	~ 0.4 ~ 0.6	~ 0.3 ~ 0.3
Volume shrinkage		ISO 10563	%	~ 5	< 10
Storage stability for cartridge/tubular bag	at 23°C/50% RH		12 months from date of manufacture		
Conditions for secure bonding	The substrate must be dry, closed, even, load-bearing, free of dust and grease and must not be adhesive-repellent. Before bonding, the substrates must be cleaned and adhesive tests must be carried out.				
Standards and tests	EN 15651-1 : F EXT-INT CC 25 LM ISO 11600 F: 25 LM				