Veralite® 200 - Technical data sheet

PHYSICAL PROPERTIES			
Properties	**Method**	**Units**	**Veralite® 200**
Specific gravity	*ISO 1183*	*g/cm³*	*1,27*
Water absorption	*ISO 62*	*%*	*0,15*

MECHANICAL PROPERTIES			
Properties	**Method**	**Units**	**Veralite® 200**
Tensile strength	*ISO 527*	*MPa*	*51,5*
Elongation at break	*ISO 527*	*%*	*> 100*
Tensile modulus	*ISO 527*	*MPa*	*± 2200*
Impact strength unnotched	*ISO 180*	*KJ/m²*	*no burst*
Impact strength notched	*ISO 180*	*KJ/m²*	*9,0*
Rockwell hardness	*DIN 2039*	*M / R*	*M85 / R115*

THERMAL PROPERTIES			
Properties	**Method**	**Units**	**Veralite® 200**
Dilatation coefficient	*ASTM D696*	*mm/mC°*	*± 0,060*
Specific Heat	*DSC*	*J/gC°*	*1,13*
Heat deflection temp. (0,45 MPa)	*ISO 75*	*°C*	*72*
Heat deflection temp. (1,82 MPa)	*ISO 75*	*°C*	*68*
Vicat softening point (1 kg)	*ISO 306*	*°C*	*82*
Vicat softening point (5 kg)	*ISO 306*	*°C*	*78*

OPTICAL PROPERTIES			
Properties	**Method**	**Units**	**Veralite® 200**
Light transmission	*ASTMD1003*	*%*	*86 - 90**
Haze	*ASTMD1003*	*%*	*< 1*
Gloss (60° angle)	*ASTMD1003*	*units*	*159*

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ELECTRICAL PROPERTIES			
Properties	**Method**	**Units**	**Veralite® 200**
Surface resistivity	*ASTMD257*	*W xcm*	*1*E15*
Dielectric constant	*ASTMD150*	*1 MHz*	*2,4*
Dissipation factor	*ASTMD150*	*1 MHz*	*0,020*
Dielectric strength (500V/sec)	*ASTMD149*	*KV/mm*	*16*
Filament test	*IEC 695/2.1*	*C°*	*650*

BARRIER PROPERTIES			
Properties	**Method**	**Units**	**Veralite® 200**
Water Vapour	*ASTMF372*	*g/mm/m²/24h*	*1,5*
Gas permeability for CO_2	*ASTMD1434*	*g/mm/m²/24h*	*49*
Gas permeability for O_2	*ASTMD3985*	*g/mm/m²/24h*	*10*

Temporary and limited list made to our best knowledge at this time - based upon 3 mm sheet.
The technical data concerning our products are not binding and are given for guidance only.
** Test results from 1 - 3 mm*

For more specific information, please feel free to contact our technical department :

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