

technical data sheet STAREX VH-0800E

PROPERTIES	Test-Method ASTM	Test condition	Unit	VH-0800E
Mechanical properties				
Tensile strength at yield	D-638	5mm/min	kg/cm ²	420
Elongation at break	D-638	5mm/min	%	10
Flexural strength	D-790	2.8mm/min	kg/cm ²	600
Flexural modulus	D-790	2.8mm/min	kg/cm ²	24,000
IZOD notched impact strength	D-256	1/4", 23°C	kg . cm/cm	20
		1/8", 23°C	kg . cm/cm	22
Rockwell hardness	D-785		R-Skala	100
Thermal properties				
Heat distortion temperature (Injection, Molding, Unannealed)	D-648	1/4", 18.56 kgf/cm ²	°C	76
		1/4", 4.6 kgf/cm ²	°C	85
VICAT softening temperature	D-1525	5 kg, 50°C/Std.	°C	85
		1 kg, 50°C/Std.	°C	93
Physical properties				
Specific gravity	D-792		g/cm ³	1.20
Water absorption	D-570	24Std. immersion in water	%	0.3
Melt flow index	D-1238	200°C / 5 kg	g/10 min	5.7
		220°C / 10 kg	g/10 min	50.0
		230°C / 3.8 kg	g/10 min	14.0
Mold shrinkage	D-955		%	0.3 ~ 0.6
Electrical properties				
Comparative tracking index	UL-746A		CTI	
Volume resistivity	D-257		Ω . m	10 ¹⁶
Surface resistivity	D-257		Ω	10 ¹⁵
Flammability				
1/16 " - Thickness	UL-standard 94			V-0
1/10 " - Thickness				V-0
1/8 " - Thickness				V-0
UV-Resistance	D-4459		Δ E	<10

Regarding the indicated results no warranty for concrete applications can be given.
Additional tests concerning the suitability are recommended.

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