

technical data sheet Tecnoprene AK6HI

Properties	Test-Methods	Unit	AK6HI
Physical properties			
Density	ASTM D 792	g/cm ³	1,11
Reinforced	INTERNAL	%	30
Water absorption	ASTM D 570	%	0,02
Molding shrinkage (middle)	INTERAL	%	0,5
Melt flow index (250°C - 2.16 kg)	ASTM D 1238	g/10 ^{min}	2,8
Melt flow at 250°C (3 mm)	INTERNAL	cm	57
Mechanical			
Tensile strenght	ASTM D 638	MPa	90
Flexual strenght	ASTM D 790	MPa	130
Flexual modulus	ASTM D 790	MPa	6000
IZOD impact strenght (notched) :			
- at +23 °C	ASTM D 256/A	J/m	150
- at -20 °C	ASTM D 256/A	J/m	125
CHARPY impact strenght (notched)t at 23°C	DIN 53453	KJ/m ²	17
CHARPY impact strenght (unnotched) at 23°C	DIN 53453	KJ/m ²	40
ROCKWELL hardness	ASTM D 785	R	108
Thermal			
VICAT softing temperature			
- A/50	ASTM D 1525	°C	-
- B/50	ASTM D 1525	°C	138
Deflection temperature H.D.T. - Method A (1.82 MPa)	ASTM D 648	°C	152
Coefficent of linear thermal expansion	ASTM D 696	10 ⁻⁵ /K	5~6
Flammability			
Flame behaviour (1,6 - 3,2 mm)	UL 94	-	HB
Electrical			
Surface resistivity	ASTM D 257	Ohm	10 ¹⁵
Dielectric constant (1 kHz)	ASTM D 150	-	2,6
Tracking resistance: KC	DIN 53480	Volt	>650

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