

## SAXAMID 226F5RY01

**SAXAMID 226F5RY01** ist eine Polyamid 6.6 Spritzgiesstypen verstärkt mit 25 % Glasfasern. Diese Type ist mit einem halogenfreien Flammschutz ausgestattet und UL gelistet.

*SAXAMID 226F5RY01 is a polyamide 6.6 injection-molding-grade reinforced with 25 % glass fibres. This grade is equipped with a halogeneous-free flame retardant and UL listed.*

Eigenschaft <i>Property</i>	Einheit <i>Unit</i>	Norm <i>Norm</i>	Bedingungen* <i>Conditions</i>	Wert <i>Value</i>
<b>Zugfestigkeit - Tensile Strength</b>	N/mm <sup>2</sup>	ISO 527-1	5 mm/min	<b>125</b>
<b>Bruchdehnung - Strain at Break</b>	%	ISO 527-1	5 mm/min	<b>2,3</b>
<b>Zugmodul - Tensile Modulus</b>	N/mm <sup>2</sup>	ISO 527-1	1 mm/min	<b>9600</b>
<b>Biegefestigkeit - Flexural Strength</b>	N/mm <sup>2</sup>	ISO 178	2 mm/min	<b>200</b>
<b>Biegemodul - Flexural Modulus</b>	N/mm <sup>2</sup>	ISO 178	2 mm/min	<b>7600</b>
<b>CHARPY Schlagzähigkeit - Impact Strength</b>	kJ/m <sup>2</sup>	ISO 179/1eU	23°C	<b>56</b>
<b>CHARPY Schlagzähigkeit - Impact Strength</b>	kJ/m <sup>2</sup>	ISO 179/1eU	-30°C	<b>48</b>
<b>CHARPY Kerbschlagzähigkeit - Notched Impact Strength</b>	kJ/m <sup>2</sup>	ISO 179/1eA	23°C	<b>8</b>
<b>CHARPY Kerbschlagzähigkeit - Notched Impact Strength</b>	kJ/m <sup>2</sup>	ISO 179/1eA	-30°C	<b>7</b>
<b>IZOD Schlagzähigkeit - Unnotched Impact Strength</b>	kJ/m <sup>2</sup>	ISO180/1U	23°C	<b>48</b>
<b>IZOD Schlagzähigkeit - Unnotched Impact Strength</b>	kJ/m <sup>2</sup>	ISO180/1U	-30°C	<b>47</b>
<b>IZOD Kerbschlagzähigkeit - Notched Impact Strength</b>	kJ/m <sup>2</sup>	ISO180/1A	23°C	<b>9</b>
<b>IZOD Kerbschlagzähigkeit - Notched Impact Strength</b>	kJ/m <sup>2</sup>	ISO180/1A	-30°C	<b>8</b>
<b>Vicat B/120</b>	°C	ISO 306		<b>248</b>
<b>HDT A 1.8 MPa TFF</b>	°C	ISO 75-1 A	80*10*4 s=60mm	<b>242</b>
<b>Flammwidrigkeit – Flammability</b>	Class	IEC 60695-11-10	0,75 mm	<b>V0</b>
<b>Flammwidrigkeit – Flammability</b>	Class	IEC 60695-11-10	3,0 mm	<b>V0</b>
<b>GWFI</b>	°C	IEC 60695-2-12	0,75 mm	<b>960</b>
<b>GWFI</b>	°C	IEC 60695-2-12	3,0 mm	<b>960</b>
<b>GWIT</b>	°C	IEC 60695-2-13	0,75 mm	<b>725</b>
<b>GWIT</b>	°C	IEC 60695-2-13	3,0 mm	<b>750</b>
<b>CTI</b>	Class	IEC 60112	-	<b>0</b>
<b>Viskositätszahl – Viscosity number</b>	ml/g	ISO 307	H <sub>2</sub> SO <sub>4</sub>	<b>150</b>
<b>Dichte – Density</b>	g/cm <sup>3</sup>	ISO 1183		<b>1,34</b>
<b>Verarbeitungshinweise - Processing</b>				
Vortrocknung - <i>Pre Drying</i>	80°C	2-6h		
Max. Restfeuchte – <i>Max. Moisture Content</i>	<0,2%			
Empfohlene Massetemperatur - <i>Melt Temperature</i>	280-295°C			
Empfohlene Werkzeugtemperatur - <i>Mold Temperature</i>	70-90°C			

\* Prüfstab wenn nicht anders angegeben: trocken - *test specimen if not differently indicated: dry as molded*  
 Prüfumgebung - *test environment: 23°C/50% relH*  
 Alle Messwerte beziehen sich auf Naturmaterial - *Test results refer to natural color material*



# Component - Plastics

File Number: E343729

SAX POLYMERS INDUSTRIE GMBH

Lichtblaustrasse 8  
Wien, 1220 Austria



## SAXAMID: 226F5RY01(f1)

Polyamide 66 (PA66), pellets, glass reinforced

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

Flammability	Value	Test Method
Flame Rating		UL 94
0.75 mm, WT, BK	V-0	IEC 60695-11-10, -20
3.0 mm, WT, BK	V-0	
Glow Wire Flammability Index		IEC 60695-2-12
0.75 mm	960 °C	
3.0 mm	960 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.75 mm	725 °C	
3.0 mm	750 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.75 mm	PLC 0	
3.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746
0.75 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746
Thermal	Value	Test Method
RTI Elec		UL 746
0.75 mm	140 °C	
3.0 mm	140 °C	
RTI Imp		UL 746
0.75 mm	110 °C	
3.0 mm	110 °C	
RTI Str		UL 746
0.75 mm	140 °C	
3.0 mm	140 °C	
Physical	Value	Test Method
Outdoor Suitability	f1	UL 746C



# Component - Plastics

File Number: E343729

SAX POLYMERS INDUSTRIE GMBH

Lichtblaustrasse 8  
Wien, 1220 Austria



## SAXAMID: 226F5RY01(f2)

Polyamide 66 (PA66), pellets, glass reinforced

(f2) - Subjected to one or more of the following tests: Ultraviolet Light, Water Exposure or Immersion in accordance with UL 746C, where the acceptability for outdoor use is to be determined by UL.

Flammability	Value	Test Method
Flame Rating		UL 94
0.75 mm, ALL	V-0	IEC 60695-11-10, -20
3.0 mm, ALL	V-0	
Glow Wire Flammability Index		IEC 60695-2-12
0.75 mm	960 °C	
3.0 mm	960 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.75 mm	725 °C	
3.0 mm	750 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.75 mm	PLC 0	
3.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746
0.75 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746
Thermal	Value	Test Method
RTI Elec		UL 746
0.75 mm	140 °C	
3.0 mm	140 °C	
RTI Imp		UL 746
0.75 mm	110 °C	
3.0 mm	110 °C	
RTI Str		UL 746
0.75 mm	140 °C	
3.0 mm	140 °C	
Physical	Value	Test Method
Outdoor Suitability	f2	UL 746C