SCHULAMID® 66 GF 30 FC

Polyamide 66

A. Schulman Europe

Message:

30% glass fiber reinforced PA 66 for food contact applications

General Information				
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight			
Processing Method	Injection molding			
Part Marking Code (ISO 11469)	>PA66-GF			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Density	1.35	--	g/cm³	ISO 1183/A
Viscosity Number	145	--	cm³/g	ISO 307
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Ball Indentation Hardness (H 358/30)	220	--	MPa	ISO 2039-1
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	10000	6200	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	180	110	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.0	6.0	%	ISO 527-2/1A/5
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	7.0	10	kJ/m²	ISO 179/1eA
23°C	10	18	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	60	40	kJ/m²	ISO 179/1eU
23°C	72	90	kJ/m²	ISO 179/1eU
Notched Izod Impact				ISO 180/1A
-40°C	10	--	kJ/m²	ISO 180/1A
23°C	7.0	--	kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength				ISO 180/1U
-40°C	60	--	kJ/m²	ISO 180/1U
23°C	65	--	kJ/m²	ISO 180/1U
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Heat Deflection Temperature				
0.45 MPa, not annealed	250	--	°C	ISO 75-2/Bf
1.8 MPa, not annealed	250	--	°C	ISO 75-2/Af
Ball Pressure Test (140°C)	Pass	--		IEC 60695-10-2

Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	> 1.0E+15	1.0E+12	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	1.0E+10	ohms·cm	IEC 60093
Comparative Tracking Index	450	--	V	IEC 60112

Flammability	Dry	Conditioned	Unit	Test Method
Glow Wire Flammability Index	600	--	°C	IEC 60695-2-12

Additional Information
干燥 1.) Not for use in medical or pharmaceutical applications

Injection	Dry	Unit
Drying Temperature	80	°C
Drying Time	3.0 - 4.0	hr
Suggested Max Moisture	0.040 - 0.10	%
Suggested Max Regrind	20	%
Processing (Melt) Temp	280 - 300	°C
Mold Temperature	60 - 120	°C

Recommended distributors for this material

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