

SCHULAMID® 612 FS 4104

Polyamide 612
A. Schulman Europe

Message:
High impact modified Polyamide 612 with electrical neutral heat stabilization

General Information				
Features		Good dimensional stability		
		Low Temperature Flexibility		
		Impact resistance, high		
		Good corrosion resistance		
		Good heat aging resistance		
		Good chemical resistance		
		Fuel resistance		
		Oil resistance		
		Low or no water absorption		
		Viscosity, High		
Processing Method		Extrusion		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.01	--	g/cm ³	ISO 1183/A
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	1200	320	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	40.0	30.0	MPa	ISO 527-2/1A/50
Nominal Tensile Strain at Break	> 200	> 250	%	ISO 527-2/1A/50
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	110	--	kJ/m ²	ISO 179/1eA
23°C	110 kJ/m ²	No Break		ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	No Break	--		ISO 179/1eU
23°C	No Break	No Break		ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, not annealed	70.0	--	°C	ISO 75-2/Bf
1.8 MPa, not annealed	55.0	--	°C	ISO 75-2/Af
Vicat Softening Temperature				

--	200	--	°C	ISO 306/A50
--	100	--	°C	ISO 306/B50
Electrical	Dry	Conditioned	Unit	Test Method
Comparative Tracking Index (Solution A)	550	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate	30	--	mm/min	ISO 3795
Flammability Classification				IEC 60695-11-10, -20
1.50 mm	HB	--		IEC 60695-11-10, -20
3.00 mm	HB	--		IEC 60695-11-10, -20
Glow Wire Flammability Index				IEC 60695-2-12
1.50 mm	725	--	°C	IEC 60695-2-12
3.00 mm	725	--	°C	IEC 60695-2-12
Glow Wire Ignition Temperature				IEC 60695-2-13
1.50 mm	750	--	°C	IEC 60695-2-13
3.00 mm	750	--	°C	IEC 60695-2-13
Additional Information				

干燥

ISO 1874-PA 612-EAGHLW-12-010-NDIN73378-PA 612-HIHL

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