

SCHULAMID® 612 CS 4404

Polyamide 612
A. Schulman Europe

Message:
High impact modified Polyamide 612 with heat stabilization and hydrolyse resistance

General Information				
Features		Impact modification		
Processing Method		Extrusion		
		Injection molding		
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-14-010-NDIN73378-PA 612-HIHL

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