

SCHULAMID® 612 IC 4005 W

Polyamide 612
A. Schulman Europe

Message:
Unfilled and plasticized nylon 612 compound

General Information				
Processing Method		Extrusion		
Resin ID (ISO 1043)		PA612		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.04	--	g/cm ³	ISO 1183
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	480	275	MPa	ISO 527-2/1A/1
Tensile Stress				ISO 527-2/1A/50
Yield	21.0	22.0	MPa	ISO 527-2/1A/50
Fracture	41.0	33.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	12	46	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	240	240	%	ISO 527-2/1A/50
Flexural Modulus ¹	485	--	MPa	ISO 178
Flexural Stress ²				ISO 178
3.5% strain	13.0	--	MPa	ISO 178
10% strain	18.0	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-40°C	25	--	kJ/m ²	ISO 179/1eA
-30°C	30	--	kJ/m ²	ISO 179/1eA
23°C	120 kJ/m ²	No Break		ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU
-40°C	No Break	--		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	95.0	--	°C	ISO 75-2/Bf
1.8 MPa, not annealed	40.0	--	°C	ISO 75-2/Af
Vicat Softening Temperature				
--	189	--	°C	ISO 306/A50

--	120	--	°C	ISO 306/B50
Additional Information				
干燥 ISO 1874-PA 612-P-EAGHLW-14-005-XDIN73378-PA 612-HIPHL				
NOTE				
1.	2.0 mm/min			
2.	2.0 mm/min			

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT