

SCHULAMID® 612 HV H 5003

Polyamide 612
A. Schulman Europe

Message:
Impact modified Polyamide 612, heatstabilized for injection molding

General Information				
Processing Method		Injection molding		
Resin ID (ISO 1043)		PA612		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.05	--	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (245°C/5.0 kg)	8.50	--	cm ³ /10min	ISO 1133
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	2000	920	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	50.0	37.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	4.8	18	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	50	220	%	ISO 527-2/1A/50
Flexural Modulus ¹	1500	--	MPa	ISO 178
Flexural Stress ²				ISO 178
3.5% strain	47.0	--	MPa	ISO 178
6.7% strain	60.0	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-40°C	15	--	kJ/m ²	ISO 179/1eA
-30°C	17	--	kJ/m ²	ISO 179/1eA
23°C	75	110	kJ/m ²	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	119	--	°C	ISO 75-2/Bf
1.8 MPa, not annealed	53.0	--	°C	ISO 75-2/Af
Vicat Softening Temperature				
--	205	--	°C	ISO 306/A50

--	155	--	°C	ISO 306/B50
Additional Information				
干燥				
1.) Not for use in food contact applications2.) Not for use in medical or pharmaceutical applications				
NOTE				
1.	2.0 mm/min			
2.	2.0 mm/min			

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