



GELOY® XP4034

Europe-Africa-Middle East: **COMMERCIAL**

Modified ASA Alloy

GELOY XP4034 is a high heat modified ASA+PC alloy. It is a weatherable, injection mouldable product which is available in a wide range of colours. The product is recommended for automotive unpainted exterior applications.

Features

Heat Stabilized

Weatherable

TYPICAL PROPERTIES ¹	TYPICAL VALUE	UNIT	STANDARD
MECHANICAL			
Taber Abrasion, CS-17, 1 kg	120	mg/1000cy	GE Method
Tensile Stress, yield, 50 mm/min	55	MPa	ISO 527
Tensile Stress, break, 50 mm/min	45	MPa	ISO 527
Tensile Strain, yield, 50 mm/min	4.5	%	ISO 527
Tensile Strain, break, 50 mm/min	35	%	ISO 527
Tensile Modulus, 1 mm/min	2350	MPa	ISO 527
Flexural Strength, yield, 2 mm/min	85	MPa	ISO 178
Flexural Modulus, 2 mm/min	2500	MPa	ISO 178
Hardness, H358/30	98	MPa	ISO 2039-1
IMPACT			
Izod Impact, notched 80*10*4 +23°C	33	kJ/m ²	ISO 180/1A
Izod Impact, notched 80*10*4 -30°C	8	kJ/m ²	ISO 180/1A
THERMAL			
Vicat B/50	107	°C	ISO 306
Vicat B/120	109	°C	ISO 306
HDT/Be, 0.45MPa Edgew 120*10*4 sp=100mm	112	°C	ISO 75/Be
HDT/Ae, 1.8 MPa Edgew 120*10*4 sp=100mm	100	°C	ISO 75/Ae
PHYSICAL			
Mold Shrinkage on Tensile Bar, flow (2)	0.4 - 0.6	%	ASTM D 955
Density	1.15	g/cm ³	ISO 1183
Water Absorption, (23°C/sat) 1L	0.7	%	ISO 62
Moisture Absorption (23°C / 50% RH) 1L	0.25	%	ISO 62
Melt Volume Rate, MVR at 260°C/5.0 kg	15	cm ³ /10 min	ISO 1133

1) Typical values only. Variations within normal tolerances are possible for various colours. All values are measured at least after 48 hours storage at 23°C/50% relative humidity.
All properties, except the melt volume rate are measured on injection moulded samples.
All samples are prepared according to ISO 294.

2) Only typical data for material selection purpose. Not to be used for part or tool design.
3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.
4) Own measurement according to UL.





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GE Plastics

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PROCESSING PARAMETERS	TYPICAL VALUE	UNIT
Injection Molding		
Drying Temperature	90 - 105	°C
Drying Time	2 - 4	hrs
Maximum Moisture Content	0.04	%
Melt Temperature	260 - 275	°C
Mold Temperature	50 - 70	°C

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