

ALTECH® PA6 + ASA A 4010/212 MR10 IM UV

Polyamide 6 + ASA
ALBIS PLASTIC GmbH

Message:

ALTECH®PA6 + ASA 4010/212 MR10 IM UV is a polyamide 6 + ASA (nylon 6 + ASA) product, which contains 10% mineral fillers. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. Typical application areas are: automotive industry.

Features include:

- Comply with REACH standard
- ROHS certification
- Impact modification
- high liquidity
- anti-warping

General Information			
Filler / Reinforcement	Mineral filler, 10% filler by weight		
Additive	Impact modifier		
	heat stabilizer		
	UV stabilizer		
Features	Impact modification		
	Low warpage		
	High liquidity		
	Scratch resistance		
	Thermal Stability		
	Low or no water absorption		
Uses	Application in Automobile Field		
	Car interior parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	20.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1400	MPa	ISO 527-2
Tensile Stress	35.0	MPa	ISO 527-2
Tensile Strain (Break)	40	%	ISO 527-2
Flexural Modulus	1500	MPa	ISO 178
Flexural Stress	50.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength			ISO 179/1eA
--	20	kJ/m ²	ISO 179/1eA
-40°C	10	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
--	No Break		ISO 179/1eU
-40°C	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	60.0	°C	ISO 75-2/A
Vicat Softening Temperature	118	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	80	°C	
Drying Time - Desiccant Dryer	4.0	hr	
Suggested Max Moisture	0.10	%	
Processing (Melt) Temp	250 - 280	°C	
Mold Temperature	40 - 80	°C	

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