

Osstyrol[®] ASA-GLANZ

HP-PM revision: 01/12

Description

Plastic sheets or foils made of styrene-acrylonitrile-copolymer being impact-resistant modified with acrylester rubber.

Product information of uncoloured products

Product information of uncoloured products	Test method	Unit	Value
Mechanical properties			
Tensile stress at yield	ISO 527	MPa	55
Elongation at yield	ISO 527	%	3,2
Nominal elongation at break	ISO 527	%	7
Tensile modulus	ISO 527	MPa	2.500
Flexural strength	ISO 178	MPa	
Charpy impact strength 23°C / -30°C	ISO 179/1eU	kJ/m ²	160/80
Charpy-notched impact strength 23°C / -30°C	ISO 179/1eA	kJ/m ²	11.0/4.0
Izod-notched impact strength 23°C	ISO 180/1A	kJ/m ²	19
Shore-D hardness	ISO 868		
Thermal properties			
Vicat-softening point VST/B/50	ISO 306	°C	98
Vicat-softening point VST/A/120	ISO 306	°C	
Deflection temperature 1.8 MPa (HDT A)	ISO 75	°C	
Deflection temperature 0.45 MPa (HDT B)	ISO 75	°C	
Electrical properties			
Dielectric constant at 100Hz / 1MHz	IEC 250		
Volume resistivity	IEC 93	Ohm cm	
Dielectric strength K20/P50	IEC 243/1	kV/mm	
Optical properties			
Surface gloss	DIN 67530	%	50 - 100
Flammibility			
UL-94 at 1,6 mm thickness	UL	class	
UL-94 at 3,2 mm thickness	UL	class	
Other properties			
Density at 23 °C	ISO 1183	g/cm ³	1,07
Water absorption, method A	ISO 62	%	
Moisture absorption (23°C/50% r.h.)	-	%	

Particularities

ASA-GLANZ is a glossy product with a high rigidity, high weatherability and, in addition to the extrusion of mono sheets and foils, is suitable for coextrusion as an alternative to PMMA/ABS because of its high gloss and good abrasion resistance.

Note

The information submitted in this publication is based on our current knowledge and experience. Tested are uncoloured products. In view of many factors that may affect processing and application, these data do not relieve processors of the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of the suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed. In order to check the availability of products please contact us or our sales agency.