

METZOPLAST ABS/G

Brief characteristic:

Grafted Acrylonitrile Copolymer with high impact strength and excellent thermoformability.

Mechanical properties

Yield strength	DIN 53455	N/mm ²	36,5
Elongation at yield	DIN 53455	%	4,3
Tensile strength at break	DIN 53455	N/mm ²	29,5
Elongation at break	DIN 53455	%	8,2
Modulus in flexure	DIN 53457-B4	N/mm ²	2050
Flexural stress at conventional deflection	DIN 53452	N/mm ²	
Impact strength at 23°C	DIN 53453	kJ/m ²	53
Impact strength at -30°C	DIN 53453	kJ/m ²	49
Impact strength notched at 23°C	DIN 53453	kJ/m ²	21
Impact strength notched at -30°C	DIN 53453	kJ/m ²	13,5
Indentation hardness (H 358/30)	DIN 53456	N/mm ²	

Thermal properties

Vicat softening point VST	DIN 53460	°C	97
ISO/R75 process A	DIN 53461	°C	97
ISO/R75 process B	DIN 53461	°C	101
Continuous working temperature		°C	approx.80
Thermal coefficient of linear expansion	DIN 53752	10 ⁻⁵ /K	
Thermal conductivity	DIN 52612	W/Km	
Specific heat		kJ/kgK	

Electrical properties

Dielectric constant	DIN 53483		
Dissipation factor	DIN 53483	10 ⁻⁴	
Specific volume resistivity	DIN 53482	Ωcm	
Surface resistivity	DIN 53482	Ω	
Dielectric strength	DIN 53481	kV/mm	

Other properties

Shrinkage		%	
Water absorption	DIN 53495	%	
Density (natural colour)	DIN 53479	g/cm ³	1,02

05/99-GV

This are typical values and can't be construed as product specifications.

The mechanical properties of this technical information were established with extruded 4 mm thick sheets.

The information contained herein is believed to be reliable to the best of our knowledge. However, all recommendations are made without guarantee of performance or warranty of freedom from legal responsibility.