

POLYPROPYLENE

TECHNICAL DATA SHEET

PROPERTIES	TEST METHOD	UNIT	VALUE
GENERAL			
Density	UNE-EN ISO 1183-1	g/cm ³	0,895
Ultraviolet radiation			Good
Water Absorption	UNE-EN ISO 62	%	0,1
MECHANICAL			
Strength	UNE-EN ISO 527-2	MPa	35,6
Elongation at strength	UNE-EN ISO 527-2	%	8
Stress at break	UNE-EN ISO 527-2	MPa	20,1
Elongation at break	UNE-EN ISO 527-2	%	32,7
Flexural modulus	UNE-EN ISO 178	MPa	1520
Flexural strength	UNE-EN ISO 178	MPa	41
Charpy impact strength	UNE-EN ISO 180	kJ/m ²	44,3
Durometrehardness	ISO 868	Shore D	80
THERMAL			
Melting point	UNE-EN ISO 11357-1	°C	162,6
Thermal conductivity	ISO 52612-1	W/(m·K)	0,2
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁴ K ⁻¹	120 to 190
Temperature Range °C long term		°C	0 to 100
ELECTRICAL			
Dielectric constant	IEC 60250		2,4
Surface resistivity	IEC 60093	Ω	> 10 ¹⁴
Dielectric strength	IEC 60243	KV/mm	42

This information solely describes the safety requirements of the products and is based on our current state of knowledge: This does not imply the information is exhaustive in all cases. It is your responsibility to determine the validity of this information for application in each case. It does not give any assurance concerning the products described within the meaning of statutory warranty regulations.