

Technische fiche PE HD 300

PROPERTIES	TEST METHOD	UNIT	VALUE
GENERAL			
Density	UNE-EN ISO 1183-1	g/cm ³	0,937
Ultraviolet radiation			Good
Water Absorption	UNE-EN ISO 62	%	0,1
MECHANICAL			
Strength	UNE-EN ISO 527-2	MPa	26
Elongation at strength	UNE-EN ISO 527-2	%	7,7
Stress at break	UNE-EN ISO 527-2	MPa	13,8
Elongation at break	UNE-EN ISO 527-2	%	147,8
Flexural modulus	UNE-EN ISO 178	MPa	1230
Flexural strength	UNE-EN ISO 178	MPa	29
Izod impact strength	UNE-EN ISO 180	KJ/m ²	18,5
Durometrehardness	ISO 868	Shore D	66
THERMAL			
Melting point	UNE-EN ISO 11357-1	°C	130,7
Thermal conductivity	UNE-EN ISO 52612-1	W/(m·K)	0,4
Coefficient of linear thermal expansion	UNE-EN ISO 11357-1/-3	10 ⁻⁴ K ⁻¹	150 to 230
Temperature Range °C long term		°C	-100 to 80
ELECTRICAL			
Dielectric constant	IEC 60250		2,46
Surface resistivity	IEC 60093	Ω	10 ¹⁵
Dielectric strength	IEC 60243	KV/mm	42