

# Technische datasheet PE HD 300

PROPERTIES	TEST METHOD	UNIT	VALUE
<b>GENERAL</b>			
Density	UNE-EN ISO 1183-1	g/cm <sup>3</sup>	0,937
Ultraviolet radiation			Good
Water Absorption	UNE-EN ISO 62	%	0,1
<b>MECHANICAL</b>			
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 <sup>2</sup>	18,5
Durometrehardness	ISO 868	Shore D	66
<b>THERMAL</b>			
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 <sup>-4</sup> K <sup>-1</sup>	150 to 230
Temperature Range °C long term		°C	-100 to 80
<b>ELECTRICAL</b>			
Dielectric constant	IEC 60250		2,46
Surface resistivity	IEC 60093	Ω	10 <sup>15</sup>
Dielectric strength	IEC 60243	KV/mm	42