

# PLASTENE R210

## Characteristics

Polyethylene powder medium density suitable for rotational moulding, good mechanical properties.

It is UV stabilized for outdoor applications. It has good processing performance in rotational moulding in term of flow and surface of the part. We can offer natural, or in different coloured compound.

PROPERTY	TEST METHOD	UNIT	VALUE
Melt Flow Index (190°C/2,16kg)	ISO 1133	g/10min	6
Density	ISO 1183	g/cm <sup>3</sup>	0,936
Melting point	Internal Method	°C	127
Softening Point Vicat	ISO 306/A	°C	113
Hardness Shore D	ISO 868/A	-	54
Flexural modulus	ISO 178	MPa	650
Tensile strength at break	ISO 527	MPa	17
Tensile strength at Yield	ISO 527	MPa	18
Elongation at break	ISO 527	%	>600
Falling weight (referred to rotomoulded specimens)	ISO 6603/2	J/mm	21
Environmental stress cracking (ESCR)	ASTM 1693/B	h	>250

Processing conditions (temperature and timing) are like of standard polyethylene; but can be change with different equipment, mould, thickness and size of the piece.

Our Technical Service is at your disposal for any further information and help you to reach the correct application of the product.

The information contained herein is to best of our knowledge accurate, but since the circumstances and conditions in witch it may be used are beyond our control, we do not accept liability for any loss or damage.