

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 ³	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	%	>700
Falling weight impact at -20°C	ISO 6603/2	J/mm	21
Environmental stress cracking (ESCR)	ISO 22088	h	>250
Fluency	ASTM D1895 metodo A	Sec.	25
Bulk density	ASTM D1895 metodo A	g/cm ³	0,36

Average particle size of powder is :

>500 max 10%

<200 max 15%