

MATERIAL PE POLYETHYLENE

Properties	Test Method	Typical value
Resin properties		
Melt Flow Rate $_{190^{\circ}\text{C} / 2.16 \text{ kg}}$ (g/10 min)	ISO 1133	7.5
Density (g/cm ³)	ISO 1183	0.919
Melting point (°C)	Internal method	108
Brittleness point (°C)	ASTM D 746	< -75
Vicat softening point _{1kg} (°C)	ISO 306/A	88
Mechanical properties¹		
Tensile stress at yield (MPa)	ISO 527	10
Flexural modulus (MPa)	ISO 178	130
Hardness Shore D	ISO 868/A	48