Poliporpilene

PP

One of the world's most popular polymers, it is high-performance, lightweight and chemically resistant.

Material properties

Density	ASTM D792	**0,87**	g/cm³
Suitability for food contact	CE 1935/2004 – 10/2011	**NO**	
Tensile strength	ASTM D638	**30**	MPa
Elongation at break	ASTM D638	**20**	%
Elastic modulus	ASTM D638	**1600**	MPa
Flexural strength	ASTM D790	**22,8**	MPa
Resilience	ISO 179	**29**	kJ/m²
Hardness	ASTM D2240	**70 D**	Shore
HDT 0.45 MPa	ASTM D648	**100**	°C
HDT 1.8 MPa	ASTM D648	**60**	°C
Vicat softening temperature	ISO 306	**90**	°C
Melting temperature	ASTM D3418	**140**	°C
Flammability	UL94	**HB**	
Volumic electrical resistivity	UL746A / ASTM D257	**10^14**	Ω*m

Printing layer height
0,08 mm (0,003 in)

Maximum dimensions
380x284x380 mm (15x11.2x15 in)

Tolerances
± 0,60mm < 100mm / ± 0,6% > 100mm

Applications
Lightweight hydrocarbon-resistant material for prototypes, automotive interiors, pipes and fluid tanks, machine parts, medical equipment and cosmetics.

Certifications
RoHS - REACH