

# PP-like Resin

This thermosetting resin is formulated to reproduce the mechanical properties of Polypropylene. High ductility and resilience are the characteristics that distinguish it and make it excellent in applications with repeated stress and vibrations.



## Material properties

Density	ISO 1183	1,12	g/cm <sup>3</sup>
Water absorption at saturation	ASTM D570	1	%
Tensile strength	ASTM D638	35	MPa
Elongation at break	ASTM D638	100	%
Yield strength	ASTM D638	38	MPa
Elastic modulus	ASTM D638	1300	MPa
Flexural strength	ASTM D790	45	MPa
Hardness	ASTM D2240	80,76 D	Shore
HDT 0.45 MPa	ASTM D648	52,8	°C
Volumic electrical resistivity	IEC 60093	2,75*10 <sup>13</sup>	Ω*m

### Printing layer height

0,10 mm (0,004 in)

### Maximum dimensions

274x155x400 mm (10.8x6.1x15.7 in)

### Tolerances

± 0,30mm < 100mm / ± 0,3% > 100mm

### Applications

An ideal choice for applications requiring a high degree of durability, strength and flexibility, such as mechanical parts, moving hinges and structural components. The precision and smoothness of PP-Like Resin also make it an excellent choice for parts that need to fit together, such as mechanical parts.

Information contained in this data sheet is up-to-date and correct as at the date of issue. As Weerg cannot control or anticipate the conditions under which this product may be used, each user should review the information in the specific context of the planned use. To the maximum extent permitted by law, Weerg will not be responsible for damages of any nature resulting from the use or reliance upon the information contained in this data sheet. No express or implied warranties are given other than those implied mandatory by law.