

TECHNICAL DATA SHEET

RECIFLEX

Description

Reciflex is a Thermoplastic Polyurethane elastomer made from 100% recycled sources that allow extreme printability in FDM printers. Reciflex has a remarkable hydrolysis resistance and good stability towards solvents.

Physical properties	Value	Unit	Test method according to
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<u>Material density</u>	<u>1.00-1.22</u>	<u>g/cm³</u>	<u>ISO 1183</u>
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Mechanical properties	Value	Unit	Test method according to
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<u>Hardness</u>	<u>92-98</u>	<u>Shore A</u>	<u>DIN 53505 – ISO 868</u>
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<u>Tensile strength</u>	<u>40-50</u>	<u>MPa</u>	<u>Recreus Test</u>
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<u>Elongation at break</u>	<u>>400</u>	<u>%</u>	<u>Recreus Test</u>
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Printing properties	Recommended
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<u>Printing temperatures</u>	<u>220-235°C</u>
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<u>Printing speed</u>	<u>20-60 mm/s</u>
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<u>Hot-bed temperature</u>	<u>50-60°C</u>
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<u>Retractions</u>	<u>from 2-3 mm/s to 40 mm/s</u>
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Reduce the pressure of the lever arm that presses the filament onto the motor pulley to avoid clogging the filament and causing blockages.

The information provided here is for reference only because the raw materials are from different sources. We request that customers inspect and test our products before using them to satisfy themselves as to contents and suitability.