



# Backup Ring

This backup ring for a seal used in high-pressure applications was 3D printed with Kimya Kepstan® PEKK-SC material. 3D printing offers a more cost- and material-efficient alternative to machining it from solid polymer stock. Optimized for 3D printing applications, Kepstan® PEKK-SC offers the superior mechanical properties and very high chemical resistance sought by oil and gas industry manufacturers. As a Stratasys Validated Material, Kimya Kepstan® PEKK-SC has been tested and tuned for operation on the Fortus 450mc™ 3D printer.

<b>System</b>	Fortus 450mc
<b>Material</b>	Kimya Kepstan® PEKK-SC (polyetherketoneketone)
<b>Build Time</b>	0.5 hour
<b>Model Material Used</b>	11.5 cm <sup>3</sup> (0.7 in <sup>3</sup> )
<b>Support Material Used</b>	1 cm <sup>3</sup> (0.05 in <sup>3</sup> )

ISO 9001:2015 Certified

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