

# ChromaFlow 70

## Technical Data Sheet

### Product Description

ChromaFlow resins are flexible, colored, translucent or opaque polyurethane resins. They have been specifically developed for 3D-printing applications that require specific flow and viscosity parameters in order to work with the RX-AM™ platform. This unique system has been evaluated for applications ranging from automotives to textiles. ChromaFlow is available with a wide range of properties.

ChromaFlow 70 is a medium-strong, flexible polyurethane material with crosslinking. It was designed for oil-resistant applications of all types at low to medium temperatures. It is well suited for seals and gaskets as well as vibration damping applications, such as in engine mounts.

### Features

- Smooth parts without post processing
- Isotropic tensile properties
- Color matching easily possible
- Large parts without warping
- Solidly filled parts
- Gas-tight printing

### Physical & Mechanical Properties

Cured Density	1.1 g/mL
Temperature Range	-40 to 110° C
Maximum Temperature (Short-Term)	125 / 10° C/min
Shore A Hardness	72 ISO 868
Tensile Modulus (100% Strain)	2.99 MPa ISO 37
Peak Stress (Up To)	9.06 MPa ISO 37
Elongation at Break (Up To)	350% ISO 37

### Chemical Properties

Flame Retardancy	Slow Burning
Resistance to Oil	Very Good
Water Absorption	Low
Adhesion to Metals	Very Good
Adhesion to Fabrics	Very Good
Adhesion to Plastics	Good to Fair

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