

ChromaFlow 50

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 50 is a medium-strong, highly flexible material with medium crosslinking. It was designed for oil-resistant applications of all types at low temperatures. It is well suited for seals and gaskets for automotive, marine, aircraft and off-road equipment.

Features

- Smooth parts without post processing
- Isotropic tensile properties
- Fast elastic rebound
- Color matching easily possible

Physical & Mechanical Properties

Cured Density	1.03 g/mL
Temperature Range	-40 to 110° C
Maximum Temperature (Short-Term)	125 / 10° C/min
Shore A Hardness	50 ISO 868
Tensile Modulus (100% Strain)	1.5 MPA ISO 37
Peak Stress (Up To)	4.3 MPa ISO 37
Elongation at Break (Up To)	370% 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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