

ChromaLast 65

Technical Data Sheet

Product Description

ChromaLast resins are flexible, colored, translucent or opaque polyurethane resins. They have a very low compression set, making them suitable for applications with long-term static or dynamic load. They have been specifically developed for applications with our RX-AM™ platform. This unique system is being evaluated for applications ranging from rail and automotive to oil and gas to seals and gaskets. ChromaLast is available with a wide range of hardness.

ChromaLast 60 is a strong, flexible polyurethane material with a high degree of crosslinking. It was designed for high-temperature applications requiring high tensile strength and low compression set.

Features

- Smooth parts without post processing
- Isotropic tensile properties
- High tensile strength
- No warping during prints
- Seals tightly against gases and liquids
- Solidly filled parts

Physical & Mechanical Properties

	Fresh 100° C for 18 Hours	Aged 100° C for 72 Hours	
Shore A Hardness	60	64	ISO 868
Peak Stress X/Y Direction	18.4 MPa	17.9 MPa	ISO 37
Peak Stress Z Direction	19.9 MPa		ISO 37
Elongation at Break	615%	660%	ISO 37
Compression Set	15% (70° C for 22 Hours, 34% Deflection)	35% (100° C for 22 Hours, 33% Deflection)	
Temperature Range	-40 to 125° C		

Chemical Properties

Flame Retardancy	Slow Burning
Resistance to Compressor Oil	Very Good
Resistance to Mineral Oil	Very Good
Adhesion to Metals & Fabrics	Very Good

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