

Lifoflex® GC 1050

Styrene Ethylene Butylene Styrene Block Copolymer

Müller Kunststoffe GmbH

Message:

The series GA, GB and GC are TPE compounds based on SEBS. They are suited for a lot of different applications and are characterized by an easy processing and high flexibility.

Properties:

shore hardness: 20 - 90 Shore A
different densities: 0,89 - 1,21 g/ccm
translucent, nature colored or direct pigmented materials possible
resistant against aqueous solutions, inorganic acids and bases
physiologically harmless
easy processing in injection molding
good adhesion on PP/PE
very good mechanical properties
service temperature range from -40°C up to 100°C
high flexibility
UV resistant (suitable for outdoor use)
applications with food contact are possible
in conformity with FDA, 10/2011/EC and EN 71/3 (toys)
in conformity with European directives 2002/95/EC (RoHS) and 2003/11/EC
recyclable

Applications:

consumer/household:
sealings for food storage boxes
soft-touch surfaces for packaging
2-component grips for kitchen equipment
toys:
soft seats for sledge
wheels for toy cars
toy characters
electronics:
sealings for housings
soft touch coating for housings
sports and leisure:
bicycle grips
soft-touch grips for hiking and nordic walking sticks
fins
health care:
grips for toothbrushes
sealings and closures for packaging
anti-slip grips for baby tableware

General Information

Features	Acid Resistant
	Base Resistant
	Food Contact Acceptable
	Good Adhesion
	Good Colorability
	Good Flexibility
	Good Processability
	Good UV Resistance

Low Toxicity
Recyclable Material

Uses	Closures Consumer Applications Electrical/Electronic Applications Flexible Grips Household Goods Medical/Healthcare Applications Outdoor Applications Seals Seats Soft Touch Applications Sporting Goods Toothbrush Handles Toys Wheels
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Agency Ratings	EN 71-3 EU 2003/11/EC EU No 10/2011 FDA Unspecified Rating
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RoHS Compliance	RoHS Compliant
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Appearance	Natural Color
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Physical	Nominal Value	Unit	Test Method
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Density	1.18	g/cm ³	ISO 1183/A
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Hardness	Nominal Value	Unit	Test Method
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Shore Hardness (Shore A, 3 sec)	50		DIN 53505
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Elastomers	Nominal Value	Unit	Test Method
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Tensile Stress - Flow (Yield)	5.70	MPa	DIN 53504
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Tensile Elongation - Flow (Break)	840	%	DIN 53504
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Compression Set			ISO 815
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23°C, 72 hr	18	%	
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70°C, 22 hr	34	%	
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100°C, 24 hr	68	%	
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