

## Denka LCS Z6050 Thermoplastic Elastomer, Injection Molding Grade (general)

Category : Polymer , Thermoplastic , Elastomer, TPE

### Material Notes:

"DENKA LCS" combines low hardness with a rubber-like texture, having a low permanent compressive distortion/permanent elongation, and is a thermoplastic elastomer that closely resembles vulcanized rubber. It also offers advantages such as a high coefficient of friction, ease of lowering electrical resistance, and good energy-absorbing performance. Applications For use in automotive components such as weather strips, as well as architectural gaskets, electrical components, etc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Denka-LCS-Z6050-Thermoplastic-Elastomer-Injection-Molding-Grade-general.php](http://www.lookpolymers.com/polymer_Denka-LCS-Z6050-Thermoplastic-Elastomer-Injection-Molding-Grade-general.php)

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in <sup>3</sup>	JIS-Z-8807
Evaporation Loss	8.0 %	8.0 %	JIS-A-5756

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	JIS-K-6301
Tensile Strength at Break	10.791 MPa	1565.1 psi	JIS-K-6723
Elongation at Break	440 %	440 %	JIS-K-6723
100% Modulus	0.001962 GPa	0.2846 ksi	JIS-K-6723
Tear Strength	24.5 kN/m	140 pli	kg/cm <sup>2</sup> ; JIS-K-6301
Compression Set	39 %	39 %	70°C, 22hrs; JIS-K-6301
	52 %	52 %	100°C, 70hrs; JIS-K-6301

Thermal Properties	Metric	English	Comments
Minimum Service Temperature, Air	-47.0 °C	-52.6 °F	JIS-K-6723

Descriptive Properties	Value	Comments
Heating: Retention Rate of Elongation, %	90	100°C x 120 hrs
Heating: Retention Rate of Tensile Strength, %	110	100°C x 120 hrs
Oil Resistance: Retention of Tensile Strength, %	100	70°C x 4hrs; JIS-K-6723
Oil Resistance: Retention Rate of Elongation, %	95	70°C x 4hrs; JIS-K-6723
Permanent Set, %, 100%	6	

Permanent Set % 200%  
Descriptive Properties

12  
Value

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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