

Denka LCS Z1075 Thermoplastic Elastomer, Extrusion 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. ApplicationsFor 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-Z1075-Thermoplastic-Elastomer-Extrusion-grade-general.php

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in ³	JIS-Z-8807
Evaporation Loss	4.0 %	4.0 %	JIS-A-5756

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	75	75	JIS-K-6301
Tensile Strength at Break	13.734 MPa	1992.0 psi	JIS-K-6723
Elongation at Break	290 %	290 %	JIS-K-6723
100% Modulus	0.005886 GPa	0.8537 ksi	JIS-K-6723
Tear Strength	39.2 kN/m	224 pli	kg/cm ² ; JIS-K-6301
Compression Set	35 %	35 %	70°C, 22hrs; JIS-K-6301
	46 %	46 %	100°C, 70hrs; JIS-K-6301

Thermal Properties	Metric	English	Comments
Minimum Service Temperature, Air	-35.0 °C	-31.0 °F	JIS-K-6723

Descriptive Properties	Value	Comments
De Mattia flexing crack occurrence, 10k times	40 or more	
Heating: Retention Rate of Elongation, %	100	100°C x 120 hrs
Heating: Retention Rate of Tensile Strength, %	110	100°C x 120 hrs
Oil Resistance: Retention of Tensile Strength, %	95	70°C x 4hrs; JIS-K-6723
Oil Resistance: Retention Rate of Elongation, %	105	70°C x 4hrs; JIS-K-6723

Permanent Set, %, 100% Descriptive Properties	Value	Comments
Permanent Set, %, 200%	12	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China