

## Denka REOMER G G8053 Thermoplastic Elastomer, For Injection Molding

Category : Polymer , Thermoplastic , Elastomer , TPE

### Material Notes:

Essentially a thermoplastic elastomer with the characteristics of PVC resin and rubber, with excellent rubber-like elasticity. Offers excellent rubbery characteristics, such as permanent compressive distortion, rebound elasticity, etc. compared to soft PVC, and excellent bending strength and ozone resistance compared to rubber. Applications: Automotive components, door moldings, weather-strips, glass run channels, side bumpers, gaskets, mud flaps, head rests, arm rests, steering wheel, trim, shift bar, boots, pedal pads. Construction material, manufacturing article, home electric, appliance components, gaskets, airtight materials, container packing, packing for vacuum cleaners, hoses, tubes. For electric wire, appliance cords, cable tire.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Denka-REOMER-G-G8053-Thermoplastic-Elastomer-For-Injection-Molding.php](http://www.lookpolymers.com/polymer_Denka-REOMER-G-G8053-Thermoplastic-Elastomer-For-Injection-Molding.php)

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in <sup>3</sup>	JIS-Z-8807
Evaporation Loss	5.8 %	5.8 %	JIS-A-5756

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	53	53	JIS-K-6301
Tensile Strength at Break	10.99 MPa	1594 psi	JIS-K-6723
Elongation at Break	440 %	440 %	JIS-K-6723
100% Modulus	0.0030411 GPa	0.44108 ksi	JIS-K-6723
Resilience	48	48	JIS-K-6301
Compression Set	52 %	52 %	JIS-K-6301

Thermal Properties	Metric	English	Comments
Minimum Service Temperature, Air	-48.0 °C	-54.4 °F	JIS-K-6723

Descriptive Properties	Value	Comments
Bending Strength, Times, JIS-K-6301	over 100k	
Heating: Retention Rate of Elongation, %	95	100°C x 120 hrs
Heating: Retention Rate of Tensile Strength, %	114	100°C x 120 hrs
Oil Resistance: Retention of Tensile Strength, %	104	JIS-K-6723
Oil Resistance: Retention Rate of Elongation, %	77	JIS-K-6723

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