

Denka REOMER G G8082 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-G8082-Thermoplastic-Elastomer-For-Injection-Molding.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	JIS-Z-8807
Evaporation Loss	5.0 %	5.0 %	JIS-A-5756

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	82	82	JIS-K-6301
Tensile Strength at Break	21.68 MPa	3144 psi	JIS-K-6723
Elongation at Break	320 %	320 %	JIS-K-6723
100% Modulus	0.012753 GPa	1.8497 ksi	JIS-K-6723
Resilience	21	21	JIS-K-6301
Compression Set	54 %	54 %	JIS-K-6301

Thermal Properties	Metric	English	Comments
Minimum Service Temperature, Air	-27.0 °C	-16.6 °F	JIS-K-6723

Descriptive Properties	Value	Comments
Bending Strength, Times, JIS-K-6301	100k	
Heating: Retention Rate of Elongation, %	80	100°C x 120 hrs
Heating: Retention Rate of Tensile Strength, %	107	100°C x 120 hrs
Oil Resistance: Retention of Tensile Strength, %	93	JIS-K-6723
Oil Resistance: Retention Rate of Elongation, %	72	JIS-K-6723

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