

Denka REOMER G G5082 Thermoplastic Elastomer, For Extrusion

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-G5082-Thermoplastic-Elastomer-For-Extrusion.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	JIS-Z-8807
Evaporation Loss	1.3 %	1.3 %	JIS-A-5756

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	82	82	JIS-K-6301
Tensile Strength at Break	14.715 MPa	2134.2 psi	JIS-K-6723
Elongation at Break	250 %	250 %	JIS-K-6723
100% Modulus	0.0083385 GPa	1.2094 ksi	JIS-K-6723
Resilience	20	20	JIS-K-6301
Compression Set	57 %	57 %	JIS-K-6301

Thermal Properties	Metric	English	Comments
Minimum Service Temperature, Air	-36.0 °C	-32.8 °F	JIS-K-6723

Descriptive Properties	Value	Comments
Bending Strength, Times, JIS-K-6301	100k	
Heating: Retention Rate of Elongation, %	96	100°C x 120 hrs
Heating: Retention Rate of Tensile Strength, %	105	100°C x 120 hrs
Oil Resistance: Retention of Tensile Strength, %	97	JIS-K-6723
Oil Resistance: Retention Rate of Elongation, %	80	JIS-K-6723

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