

Denka REOMER G G8354 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 moldingsweather-stripsglass run channelsside bumpersgasketsmud flapshead restsarm restssteering wheelstrimshift bar bootspedal pads

Construction material, manufacturing article home electric, appliance components]gasketsairtight materialscontainer packingpacking for vacuum cleaners

hoses

tubes

For electric wire]appliance cordscable

tire

Order this product through the following link:

http://www.lookpolymers.com/polymer_Denka-REOMER-G-G8354-Thermoplastic-Elastomer-For-Injection-Molding.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	JIS-Z-8807
Evaporation Loss	2.9 %	2.9 %	JIS-A-5756

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	54	54	JIS-K-6301
Tensile Strength at Break	10.10 MPa	1466 psi	JIS-K-6723
Elongation at Break	400 %	400 %	JIS-K-6723
100% Modulus	0.0034335 GPa	0.49799 ksi	JIS-K-6723
Resilience	50	50	JIS-K-6301
Compression Set	53 %	53 %	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
Bending Strength, Times, JIS-K-6301	over 100k	
Heating: Retention Rate of Elongation, %	99	100°C x 120 hrs
Heating: Retention Rate of Tensile Strength, %	95	100°C x 120 hrs
Oil Resistance: Retention of Tensile Strength, %	117	JIS-K-6723
Oil Resistance: Retention Rate of Elongation, %	88	JIS-K-6723

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