

Denka REOMER G G5048 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 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 cleanershosetubes[For electric wire]appliance cordscabtire

Order this product through the following link:

http://www.lookpolymers.com/polymer_Denka-REOMER-G-G5048-Thermoplastic-Elastomer-For-Extrusion.php

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in ³	JIS-Z-8807
Evaporation Loss	14 %	14 %	JIS-A-5756

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	48	48	JIS-K-6301
Tensile Strength at Break	9.81 MPa	1420 psi	JIS-K-6723
Elongation at Break	489 %	489 %	JIS-K-6723
100% Modulus	0.0021582 GPa	0.31303 ksi	JIS-K-6723
Resilience	59	59	JIS-K-6301
Compression Set	49 %	49 %	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, %	85	100°C x 120 hrs
Heating: Retention Rate of Tensile Strength, %	125	100°C x 120 hrs
Oil Resistance: Retention of Tensile Strength, %	125	JIS-K-6723
Oil Resistance: Retention Rate of Elongation, %	83	JIS-K-6723

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