



# Rubore® Decoupling Damping Shim

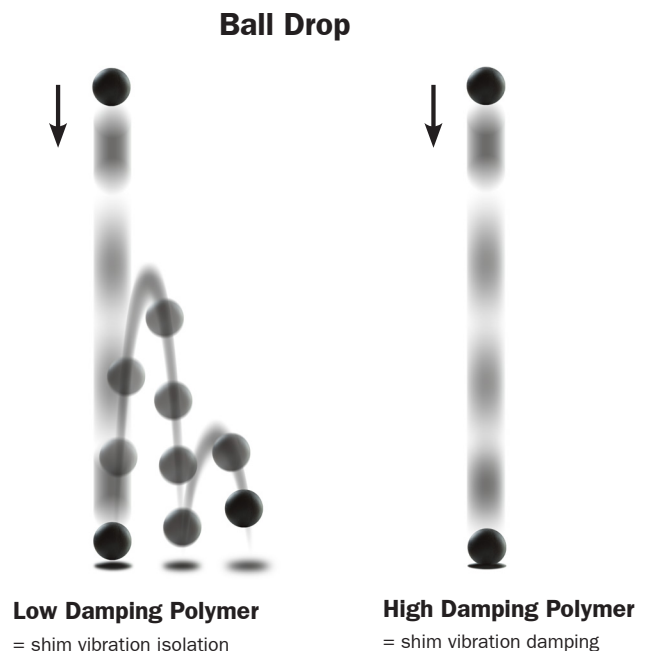


## Outstanding Performance Rubore® RDD Shim Technology

An innovation with more damping and isolation properties

### The Decoupling Damping concept

- RDD outperforms RPN Shim materials and competitor materials
- Improved or similar NVH performance reducing steel thickness or layers
- Improved or remained NVH performance using less costly adhesives
- Improved wear resistance and superior durability
- Transfer of heat is reduced



# Rubore®

YOUR PARTNER FOR DAMPING SOLUTIONS

# Rubore® Decoupling Damping Shim

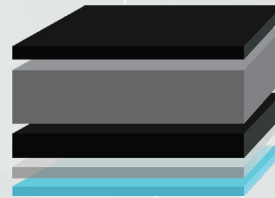
## Material Cross Section



### RDD50 04 41

0,22 mm 2181 isolating rubber  
0,40 mm galvanized steel  
0,22 mm 3052 damping rubber

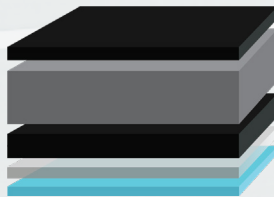
0,84 mm Total thickness



### RDDS6 39 41

0,22 mm 2181 isolating rubber  
0,50 mm galvanized steel  
0,22 mm 3052 damping rubber  
0,10 mm silicone adhesive  
0,15 mm liner

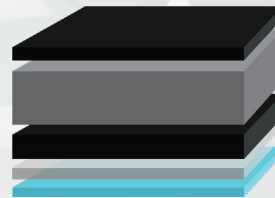
1,02 mm Total thickness



### RDD76 39 41

0,22 mm 2181 isolating rubber  
0,50 mm galvanized steel  
0,22 mm 3052 damping rubber  
0,13 mm acrylic adhesive  
0,10 mm liner

1,07 mm Total thickness



### RDDF1 39 41

0,22 mm 2181 isolating rubber  
0,50 mm galvanized steel  
0,22 mm 3052 damping rubber  
0,07 mm cold noise  
silicone adhesive  
0,15 mm liner

1,01 mm Total thickness

More than 30 different RDD shim materials are available in our product portfolio.

## RDD-series of Rubore® Shim Materials

### New innovative shim technology with:

Outer rubber layer: Vibration Isolation (“Decoupling”)

Inner rubber layer: Vibration damping at lower temperatures

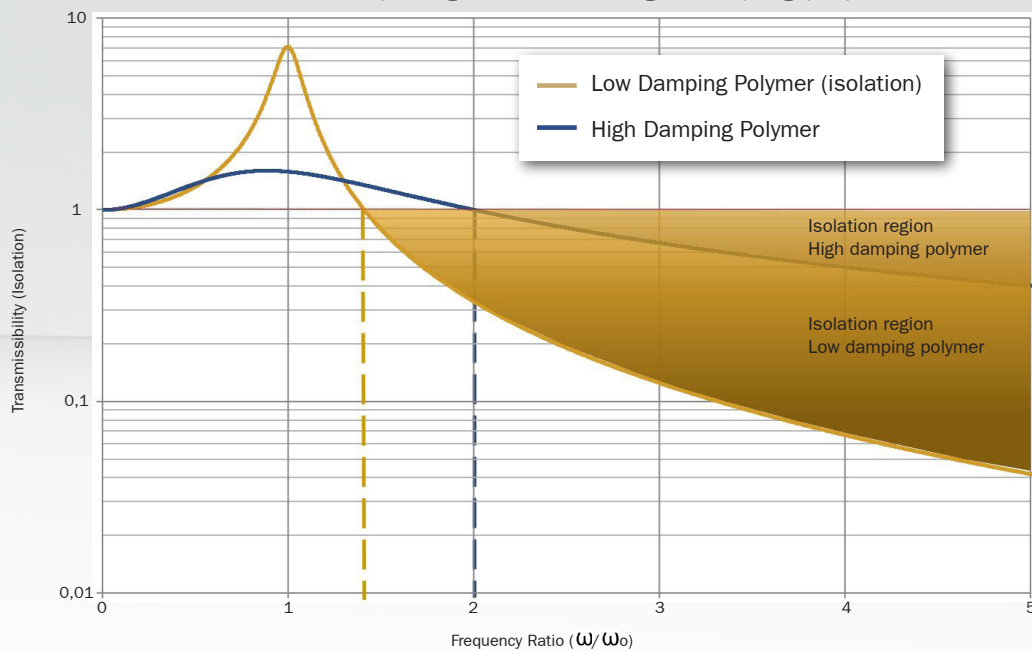


○	_____	<b>Isolation Rubber</b> 0,22mm
○	_____	<b>Metal Layer</b> 0,40 - 0,70 mm Carbon Steel Galvanised Steel Stainless Steel
○	_____	<b>Damping Rubber</b> 0,22mm
○	_____	<b>Cold Pressure Adhesive</b> 0,10 - 0,13 mm Cold Noise Silicone Adhesive Silicone Adhesive Low Temp Acrylic Adhesive Acrylic Adhesive

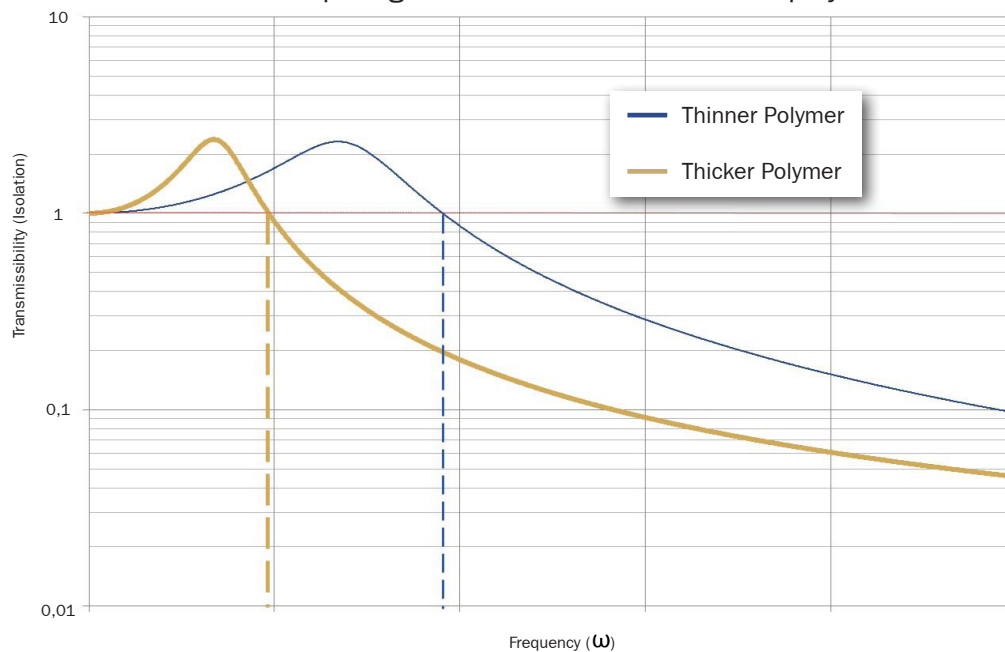
## The Decoupling Damping concept

- Introduced more damping and isolation properties
- Improved or similar NVH performance reducing steel thickness or layers
- Improved or remained NVH performance using less costly adhesives
- Improved wear resistance
- Transfer of heat is reduced with RDD
- Superior durability

Effect comparing low versus high damping polymers



Effect comparing different thickness of same polymer



## Contact Details

Scan this QR code to save our contact details.



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We are part of the Trelleborg Group, which is the world leader in engineered polymer solutions that seal, damp and protect critical applications in demanding environments. Its innovative solutions accelerate performance for customers in a sustainable way.