

# Cellasto® MH24-45

Thermoplastic Polyurethane Elastomer

BASF Polyurethanes GmbH

Message:

Cellasto is the trade name for BASF Polyurethanes' high performance, microcellular polyurethane elastomer. Cellasto components have been used successfully for over 35 years as the NVH (Noise, Vibration, Harshness) solution for automotive chassis and suspension applications such as jounce bumpers, shock absorber top mounts and coil spring isolators. Cellasto is also used in many other applications outside of automotive such as: elevator safety buffers; paper conveying components; friction dampers; sub-frame, motor & body mounts; and more.

The outstanding features are:

- Low compression set
- High volume compressibility with minimum lateral expansion
- Excellent mechanical properties & durability
- Highly versatile - noise isolation at small amplitude & high frequency; vibration isolation at large amplitude & low frequency
- Abrasion resistant
- Resistant to ozone, oils, greases and other aliphatic hydrocarbons

General Information			
Features	Low compressive deformability		
	Shock absorption		
	Noise reduction		
	Good wear resistance		
	Ozone resistance		
	Hydrocarbon resistance		
	Durability		
	Oil resistance		
	Grease resistance		
Uses	Application in Automobile Field		
Processing Method	Foam treatment		
Physical	Nominal Value	Unit	Test Method
Apparent Density	0.45	g/cm <sup>3</sup>	ASTM D3574A
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	4.00	MPa	ASTM D3574E
Tensile Elongation (Break)	400	%	ASTM D3574E
Tear Strength	12.0	kN/m	
Compression Set			ASTM D3574D
20°C, 70 hr	3.5	%	ASTM D3574D
70°C, 22 hr	5.0	%	ASTM D3574D

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