

# HyTemp® 4051EP

Acrylic  
Zeon Chemicals L.P.

Message:

HYTEMP® POLYACRYLATE (ACM) elastomers are ideally suited for applications requiring long-term performance in severe temperature and fluid environments. HyTemp can be compounded to withstand an impressive temperature range from -40°C to 200°C. These elastomers offer excellent long-term heat and compression set resistance while providing superb resistance to petroleum and synthetic-based lubricants. HyTemp can be tailored to specific material specifications through the proper choice of elastomer grade. To accommodate multiple application needs, a wide range of HyTemp grades is available. Representing some of the industry's most advanced innovations, HyTemp yields exceptional compressive stress relaxation performance in high-temperature sealing functions. HyTemp can be processed using all common thermoset methods, including compression, transfer, injection molding, calendering and extrusion. This makes HyTemp ideal for automotive under-hood applications such as transmission seals, engine seals, and both oil- an air-management hoses. Industrial applications include binders, adhesives and seals.

Special Properties/Applications  
Easy-processing version of HyTemp 4051.

General Information		
Features	Fast Cure	
	Good Processability	
	High Heat Resistance	
	Low Compression Set	
	Oil Resistant	
Uses	Adhesives	
	Automotive Under the Hood	
	Binder	
	Hose	
	Industrial Applications	
	Seals	
Processing Method	Calendering	
	Compression Molding	
	Extrusion	
	Injection Molding	
	Resin Transfer Molding	
Physical	Nominal Value	Unit
Specific Gravity	1.10	g/cm <sup>3</sup>
Mooney Viscosity	35 to 47	MU
Additional Information	Nominal Value	Unit
Cure Agent	Dual	
Gehman Torsion Test - T100 <sup>1</sup>	-18	°C
Volume Swelling <sup>2</sup>	11	%
NOTE		

- |    |   |
|----|---|
| 1. | On a nominal 65 Shore A,<br>non-plasticized compound. |
| 2. | IRM 903 oil, 70 Hr. @ 150°C                           |

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#### Recommended distributors for this material

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