

# HyTemp® AR12

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, calendaring and extrusion. This makes HyTemp ideal for automotive under-hood applications such as transmission seals, engine seals, and both oil- and air-management hoses. Industrial applications include binders, adhesives and seals.

### Special Properties/Applications

Optimized for improved long-term heat and compression set resistance over traditional acrylates with good low-temperature properties.

General Information	
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Features	High Heat Resistance
	Oil Resistant

Uses	Adhesives
	Automotive Under the Hood
	Binder
	Hose
	Industrial Applications
	Plastics Modification
	Seals

Physical	Nominal Value	Unit
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Specific Gravity	1.10	g/cm <sup>3</sup>
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Mooney Viscosity	28 to 38	MU
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Additional Information	Nominal Value	Unit
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Cure Agent	Proprietary	
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Gehman Torsion Test - T100 <sup>1</sup>	-30	°C
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Volume Swelling <sup>2</sup>	30	%
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NOTE		
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1.	On a nominal 65 Shore A, non-plasticized compound.	
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2.	IRM 903 oil, 70 Hr. @ 150°C	
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