

HyTemp® 4052

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- and air-management hoses. Industrial applications include binders, adhesives and seals.

Special Properties/Applications

Improved low-temperature properties with slightly less oil resistance than 4051 types. Excellent compression set resistance.

General Information	
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Features	High Heat Resistance
	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 ³
Mooney Viscosity	32 to 40	MU

Additional Information	Nominal Value	Unit
Cure Agent	Dual	
Gehman Torsion Test - T100 ¹	-32	°C
Volume Swelling ²	17	%

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

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

