TECHNICAL REPORT
A400-70 POLYACRYLATE COMPOUND

GENERAL PROPERTIES

Polyacrylate offers a broad temperature range from -20F to +350F. Often used in automotive transmission and power steering seals using Type A Fluid. Excellent resistance to petroleum fuel and oil as well as ozone and oxidation. Good flex cracking resistance.

ASTM Designation	ORIGINAL PROPERTIES	**ASTM D2000 SPECIFICATION**	**LABORATORY PROPERTIES**
	Durometer, Shore A	70 +/- 5	68
	Tensile, psi (MPa), Minimum	1450 (10)	1610 (11.1)
	Elongation, % Minimum	200	215
	Specific Gravity	-	1.36
A26	HEAT AGE, 70 HRS @ 150C		
	Durometer Change, Points	+10	+4
	Tensile Strength Change, % Maximum	-25	+1
	Elongation Change, % Maximum	-30	+3
B16	COMPRESSION SET, 22 HRS @ 150C		
	Original Deflection, % Maximum	30	19.4
EO16	ASTM #1 OIL, 70 HRS @ 150 C		
	Durometer Change, Points	-5/+10	+2.0
	Tensile Change, % Maximum	-20	+5.5
	Elongation Change, % Maximum	-30	-15.0
	Volume Change, %	-5/+5	-4.4
EO36	ASTM #3 OIL, 70 HRS @ 150C		
	Durometer Change, Points	-15	-6.0
	Tensile Change, % Maximum	-30	-9.2
	Elongation Change, % Maximum	-30	-10.0
	Volume Change, % Maximum	+25	+9.4
F13	LOW TEMPERATURE BRITTLENESS		
	ASTM D2137, Method A		
	3 Minutes @ -10C	Non-Brittle	Pass

SPECIFICATIONS MET

ASTM D2000-99 Grade M3DH710 A26 B16 E016 E036 F13

MANUFACTURER'S CROSS REFERENCE A400-70 is designed to meet or exceed the properties of these popular polyacrylate compounds: A607-70, L57, 2930-70. A07010, 12307.