

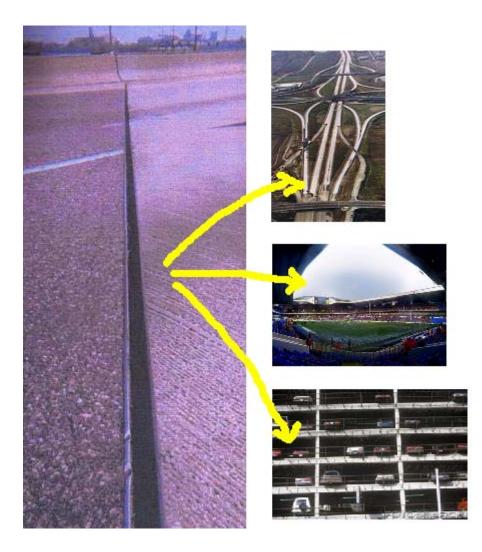






by Advance Polymer J.T. Co., Ltd.





Product in Brief

We created compression seal for providing a consistency and stability between two structures, resisting any deformation from environmental disturbances either a change of temperature, post tensioning, shrinkage, or creep from concrete. The compression seal is then capable of supporting most commonly occuring rotational movements and lateral and vertical shear while providing no harmful stress exerted against the joint walls. Installed and properly sized preformed compression seals are among the simplest and yet most durable joint system for joint opening in all sorts of structures, particularly in bridges. Beside, our product have a high efficiency of waterproofing. The product is also invulnerable to UV, oils, ozone or any chemicals because our product is created by excellent grade of polychloroprene.

Other Applications

No matter what structure is, our compression seal can fit in related types of constructions, for instance, structural decks, spillways of dams, airports, stadiums, ramps, pedestrian overpasses, car parks, etc.

Installation

In installation applications, the joint width shall be properly set for the compression seal. The seal is lubricated, then partially compressed, and eventually inserted by pressure from above into the joint gap. Too low temperature (< 2 °C) will degrade effectiveness of lubricant/adhesive, while too high temperature (> 30 °C) makes compression seal installation difficult to compress.

	Seal Characteristics			Design Criteria		
AP Compression Seals	Nominal Width (mm)	Nominal Height (mm)	Maximum Movement (mm)	Narrowest Opening (mm)	Widest Opening (mm)	Minimum Depth (mm)
AP-6368						
63 egy	63	68	29	24	53	80
AP-5050						
	50	50	20	22.5	42.5	70
AP-3340						
	33	40	13.5	14.5	28	45
AP-2935	29	35	12	12	24.5	40
AP-2430						
	24	30	10.5	10	20.5	35
30						

Material Features (conformed to ASTM D3542)



PHYSICAL PROPERTIES	REQUIREMENTS	ASTM TEST METHOD
Tensile strength, min, psi (Mpa)	2000(13.8)	D 412
Elongation at break, mm, %	250	D 412
Hardness, Type A durometer, points	55 ± 5	D 2240 (modifled)
Oven aging , 70 h at 212° F (100°C)		
Tensile strength, max, % loss	20	
Elongation, max, %	20	D 573
Hardness, Type A durometer, points change	0 to 10	
Oil swell , ASTM Oil No.3, 70 h at 212° F:		
70h at 212°F (100°C)	45	D 471
weight change, max ,%		
Ozone resistance		
20% strain, 300 pphm in air, 70h, at 104° F		D 1140
(40°C) (wiped with toluene to remove surface contamination)	No cracks	D 1149
High-temperature recovery		
70 h, at 212° F (100°C), Deflection,	85	Section 7
min, %		
Compression-deflection properties:		
LC min in. (mm)	See 8.3.5	
LC max in.(mm)	See 8.3.5	D 575 Method A (modified)
Movement range, in.(mm)	See 8.3.5	

*** **Note**: Advance Polymer manufactures the product with standard materials. Other supplements to relative characteristics are available in case of required.

Several patterns of shippings are available for our extrusions by either in boxes, reels, or spools in required lengths. The adhesives/lubricant are supplied in gallon containers by showing all necessary information.

Test Report (issued by TISTR)





สำนักงานใหญ่ 35 หมู่ 3 ตำบลกลองห้า อำเภอกลองหลวง จังหวัดปรุณธานี 12120 โทรสัทท์ (66) 0 2577 9000 โหรสาช (66) 0 2577 9009 E-mail : rumpalgetistr.or.th Website : www.tistr.or.th

สำนักงาน/ห้องปฏิบัติการ

ขอย 1C นี้คมอุลสาหกรรมบางปู ตนนสุขุมวิท ทำบลแพรกษา อำเภอเมือง จังหวัดอมุทรปราการ 10280 โทรทัพท์ (66) 0 2323 1672-80 ต่อ 115, 116 โทรสาร (66) 0 2323 9165 E-mail : mitogitistr.or.th FM.BL.MTC.001 Rev.3

196 ถนนทหลโยชิน เขตจตุจักร กรุงเทพฯ 10900 โทรศัพท์ (66) 0 2579 1121-30 ต่อ 5219,5225,5217 โทรสาร (66) 0 2579 8592 E-mail : sumalee@tistr.or.th

สำนักงาน







56 Ronnasittipichai 13, Tasai, Muang, Nonthaburi 11000 Tel.: 662-950-0626-7, 662-950-1426-7, 662-580-3281 Fax: 662-950-9922, 662-589-1294 E-mail: <u>sales@advancepolymerit.com</u> Website: www.advancepolymer.co.th