

NOXTITE® ACM Polymers Selection Guide



including CHEMINOX® ACM curing agents

Product Name	¹ ML(1+4) @ 100 °C	² Tg [°C]	Compound Formulation	³ Service Temp. [°C]	⁴ Oil Swell [%]	⁵ C.S. [%] 70h / 150 °C	Key Features
POLYMER PROPERTIES				ELASTOMER PROPERTIES			
HT ACM Polymers⁶ - Diamine Curable Grades (Carboxy Cure Site)							
PA-522HF	30	-31	A	+175	+31	15	Excellent heat and compression set resistance
PA-522	30	-31	A	+170	+16	14	Superior heat and oil resistance sealing grade
PA-522V	34	-31	A	+175	+29	15	High wear resistance grade
PA-524	25	-44	A	+165	+34	15	Low temperature grade
PA-526	36	-26	A	+185	+11	35	Terpolymer with excellent tear & oil resistance (Hose optimized)
PA-527	38	-28	A	+185	+23	19	Copolymer with balanced properties (Hose optimized)
Common ACM Polymers - Sulfur/Soap and/or Triazine Curable (Active Chlorine Cure Site)							
PA-401L	48	-14	B (C) ⁷	+165	+13	35 (22) ⁷	Highly oil-resistant sealing grade
PA-402B	34	-31	B (C) ⁷	+165	+18	33 (16) ⁷	Balanced properties for all processes
PA-403	39	-36	B (C) ⁷	+160	+21	36 (16) ⁷	Fair heat and cold resistance
PA-404N	30	-42	B (C) ⁷	+150	+21	32 (15) ⁷	Universal low temperature grade
Non-Post Cure ACM Polymers - Base Curable (Chlorine Carboxy Dual Cure Site)							
PA-421L	35	-18	D	+165	+11	15 (19) ⁸	Fast cure and maximum oil resistance
PA-422L	24	-33	D	+160	+18	14 (15) ⁸	Fast cure and low temperature grade
CHEMINOX® ACM Curing Agents / Retarders				Ingredients / Appearance			
AC 6C	Standard diamine curing			HMDC = Hexamethylene diamine carbamate (97%), oil coated, treated powder, dust suppressed form			
CLZ 77	Retarded diamine curing			BAPP = [2,2-bis(4-(4'-aminophenoxy)phenyl)propane (50%) and ACM binder (50%), granules; providing highest dynamic hose properties (excellent fatigue resistance) combined with a scorch safety processing behavior			
All properties provided are typical properties and not intended to serve as specifications							
1) JIS K6300 method; 2) polymer TG determined by DSC, JIS K6240, but 10 °C/min; 3) typical service temperature of molded parts; 4) volume change in IRM 903, 70h/150 °C, ISO 1817 method; 5) JIS K6262 method, air; 6) High Temperature ACM; 7) compression set optimized formulation; 8) compression set of non-post cured vulcanizate							

