

ADK CIZER - Plasticizers For Rubbers

ADK CIZER RS-series are Designed especially to **improve Long Term Heat Aging** properties and **Low Temperature Flexibility** for Elastomers. ADK CIZER RS Series are particularly effective to **NBR, ACM, AEM, HT ACM, ECO, HNBR, CR, CSM, PU, etc...**

ADK CIZER	RS-107	RS-700	RS-705	RS-735	RS-759	PN-5090	C-9N	PN 6122
Properties → Composition →	Polyetherester Type	Polyetherester Type	Polyether Type	Polyetherester Type		Adipic Acid Polyester Type	Tri Isononyl Trimellitate (TINTM)	Benzonate Ester
Viscosity : mPa·s(25°C)	20	30	10	80	25	10000	210	125
Specific Gravity : 25/25°C	1.020	1.005	0.996	1.043	1.45	1.128	0.980	1.12
Color : APHA	60	80	100	120	300	60	100	120
Acid value : KOHmg/g	0.4	0.1	0.1	0.3	0.5	0.3	0.3	0.2
Flash point : °C	215	221	>282	252	>200	>282	260	214
Pour point : °C	- 47	- 53	-7	-8	-	-7	-	-40

ADK CIZER	Advantages
RS - 107	Excellent in low Temperature Property and Heat Aging Stability.
RS - 700	Improved type of RS - 107. Excellent Heat Aging Stability for Long-Term use.
RS - 705	Provide Excellent Low Temperature Flexibility.
RS - 735	Excellent Heat Aging Stability for Long-Term use, Better heat aging stability than RS-700.
RS - 759	It is especially designed to impart excellent low temperature flexibility and heat Resistance.
PN - 5090	A very low extractable Eco-friendly Plasticisers, Excellent oil resistance.
C-9N	Excellent Heat ageing Stability , Volatility & Electrical Insulation property. Mainly used for Wire & Cable at High Heat temperature, Automotive upholstery, etc.
PN-6122	Good Comatibility for Polar Rubbers, High Resistance to extraction by oil.

Recommendations		
Synthetic Rubber	Sulfur or Amine Cure	Peroxide Cure
AEM	RS-735, RS-759, PN-6122	C-9N
ACM / HT-ACM	RS-735, RS-759, PN-6122	-
H-NBR	RS-700, PN-6122	C-9N
ECO	RS-700, PN-6122	-
NBR	RS - 705, RS-700, PN-5090, RS-107, PN-6122	-
CSM / CR, CSP, CPE, CR	RS-107, RS-700	C-9N
PU	PN-6122	-