



POLYACRYLIC RUBBER (ACM/HT-ACM)

Toa Resin Corporation [TRC] manufactures PolyAcrylic Rubber by technology received from Japan which was further refined & advanced by TRC own R&D in Taiwan.

TRC SA Series has outstanding stability against "Heat", "Ozone" and exhibits excellent "Oil-resistance" when working in contact with Oils containing Sulfur additives to work at temperatures above 140°C in modern automobiles conforming to BS/ Euro VI Norms.

Polyacrylic Rubber Grades (ACM) - Cure Site is Chloro - (Ethyl Vinyl Ether)

Grade	Viscosity ± 5 ML ₍₁₊₄₎ ,100°C	Characteristics	Temperature Range	Applications
SA-260	35	Extremely Low Temp resistance grade	-35 ~ +170	Injection Moulding & Extrusion
SA-240L	37	Low Viscosity of SA-240. Excellent Processing.	-25 ~ +170	Injection Moulding & Extrusion
SA-201L	37	Low Viscosity of SA-201. Excellent Processing.	-15 ~ +180	Injection Moulding & Extrusion
SA-225	40	Low Temp Resistance Excellent Processing.	-25 ~ +170	Injection Moulding & Extrusion
SA-240	45	Low Temp Resistance grade.	-25 ~ +170	Moulding
SA-201	55	General purpose grade.	-15 ~ +180	Moulding

Hi-Temp Polyacrylic Rubber (HT-ACM) - Cure Site is Carboxyl

Grade	Viscosity ± 5 ML ₍₁₊₄₎ ,100°C	Temperature Range	Applications & Characteristics
SA-350HF	30	-25 ~ +190	Suitable for Molding and Extrusion process, Good Resistance to Automotive Fluids, Outstanding Ozone and Weather Resistance, Good Flex fatigue Resistance, Vibration-damping consistency, Automotive Industry
SA-360	30	-35 ~ +190	
SA-350	35	-25 ~ +190	
SA-313	37	-25 ~ +200	
SA-350G	40	-25 ~ +200	
SA-353	30± 5	-23 ~ +200	
SA-323K	37	-25 ~ +200	
SA-364	30	-25 ~ +175	

APPLICATIONS: GASKET, ENGINE OIL RESISTANCE HOSES, INTERCOOLER AIR HOSES, SHAFT SEAL, BEARING SEAL, O RING, GROMMETS etc...

PROCESSING/COMPOUNDING ADDITIVES FOR ACM, HT-ACM, ECO COMPOUNDING

Ingredients	Function	Maker	Product Name
Potassium Stearate	Curative (Soap System)	NOF Corporation, Japan	Nonserl SK-1
Sodium Stearate	Curative (Soap System)	Kao Chemical, Japan	NS Soap
Plasticizer	Ester based; Low & High temperature resistant	Adeka Corporation, Japan	ADK Clzer RS-735
Naugard 445	Amine Type Antioxidant & Heat stabilizer	-	Naugard 445
Nocceler BZ-P	Secondary Acceletater used for Triazine	-	ZDBC
Hexamethylene Diamine Carbamate	Primary Curative- Amine cure	Cymer LLC, USA	GP-210
Synthetic Hydrotalcite	Acid Scavanger / Acceptor	Huebach, Germany	Hisorb 4A
Polyoxyethylene Alkylether Phospate	Improve Mill Release of Sticky Compound	Toho Chemical, Japan	Phospanol RL-210
Stearyl Amine	Mould Release	Kao Chemical, Japan	Farmin 80
Amorphous Silicon Dioxide	Extends Hot Air Ageing	DSL, Co. Ltd., Japan	Nipsil-NA From TOSOH Silica

