ASTM D2000/SAE J200

DESIGNATION (TYPE AND CLASS) AND POLYMER

Appendix A is intended to assist the users of SAE J200 and is not to be considered as part of the system. Tables A1 and A2 list the SAE J200 designation (Type and Class) and the type of polymer most often used in meeting the material requirements. Table A1 is not intended to be limiting; other polymers may be used to meet the same specification.

TABLE A1 - SAE J200 DESIGNATION

SAE J200 Material Designation (Type and Class)	Type of Polymer[1] Frequently Used
AA	NR, SBR, IR, IIR, BIIR, CIIR, EPM, EPDM, BR, Reclaim RBR
AK	T
BA	SBR, IIR, BIIR, CIIR, EPM, EPDM
BC	CR, CM
BE	CR, CM
BF	NBR
BG	NBR, AU, EU
BK	NBR
CA	EPM, EPDM
CE	CSM, CM
CH	NBR, CO, ECO
DA	EPM, EPDM
DE	CM, CSM
DF	ACM
DH	ACM, HNBR
EE	AEM
EH	ACM
EK	FZ
FC	PVMQ
FE	MQ
FK	FVMQ
GE	VMQ
HK	FKM
KK	FFKM

1. Symbols and names are based on ASTM D 1418. Trade Names for the majority of rubber compounds utilizing above polymers may be located in the following and other publications of the rubber industry: "The Synthetic Rubber Manual," International Institute of Synthetic Rubber Producers, Inc."Rubber World Magazine Blue Book," Lippincott & Peto.

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POLYMER MOST OFTEN USED FOR MATERIAL REQUIREMENTS

Polymer Symbol	Common Name (Chemical Name)	Polymer Symbol	Common Name (Chemical Name)[1]
NR	Natural Rubber	NBR	Nitrile Rubber (Acrylonitrile Butadiene Copolymer)
Reclaim RBR	Reclaimed Rubbers		
IR	Isoprene (Synthetic Rubber		
SBR	Styrene Butadiene Rubber	HNBR	Hydrogenated Nitrile Rubber (Hydrogentated Acrylonitrile Butadiene Copolymer)
BR	Butadiene Rubber		
IIR	Butyl Rubber (Isobutene-Isoprene)		
CIIR	Chlorobutyl Rubber (Chloro Isobutene-Isoprene)	CM	Chlorinated Poly-ethylene
BIIR	Bromobutyl Rubber (Bromo Isobutene-Isoprene)	CSM	Chlorosulfonated Polyethylene
T	Polysulfide Rubbers	ACM	Polyacrylate Rubber (Acrylic Esters Copolymer)
EPM	Ethylene Propylene Copolymer		
EPDM	Ethylene Propylene Diene Terpolymer	AU	Polyurethane - Ester Type
CR	Polychloroprene		
CO	Epichlorohydrin Homopolymer (Polychloromethyl Oxirane)	EU	Polyurethane - Ether Type
AEM	Acrylic Ester/Ethylene Copolymer	MQ (MQ, VMQ, PVMQ)	Silicone Rubbers
		FVMQ	Fluorosilicone Rubber
FZ	Fluoroalkoxyphosphazene Rubber	FKM	Fluorocarbon Rubber
ECO	Epichlorohydrin/ Ethylene Oxide (Oxirane) Copolymer	FFKM	Perfluoroelastomer

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