

1. Record Nr.	UNINA9911006840903321
Autore	Ciullo Peter A. <1954->
Titolo	The rubber formulary / / by Peter A. Ciullo, Norman Hewitt
Pubbl/distr/stampa	Norwich, N.Y., : Noyes Publications, 1999
ISBN	1-282-76951-0 0-08-094670-4 9786612769511 1-282-02764-6 9786612027642 0-8155-2010-7 0-8155-1929-X 1-59124-163-4
Edizione	[1st ed.]
Descrizione fisica	1 online resource (767 p.)
Collana	PDL handbook series
Altri autori (Persone)	HewittNorman
Disciplina	678/.2 678.2
Soggetti	Rubber chemistry Chemistry, Technical
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Front Cover -- The Rubber Formulary -- Copyright Page -- CONTENTS -- CHAPTER 1. RUBBER -- INTRODUCTION -- COMPOUNDING MATERIALS -- RUBBER PROCESSING -- PHYSICAL TESTING OF RUBBER -- SECTION I: THE FORMULARY -- Chapter I. Natural Rubber & Polyisoprene -- TIRE CARCASS COMPOUND -- TIRE BLACK SIDEWALL COMPOUND -- TIRE COVER STRIP COMPOUND -- TIRE CHAFER/RIM FLANGE COMPOUND -- TIRE BEAD FILLER/APEX COMPOUND -- TIRE BELT SKIM COMPOUND -- TIRE BASE TREAD -- AGRICULTURAL SEMI-PNEUMATIC TIRE -- MOTOR MOUNT -- WIPER BLADE -- PIPE GASKET -- PIPE GASKET -- POLYISOPRENE SEAL -- FOOTWEAR FOXING OR TOE CAP COMPOUND -- EXTRUSION COMPOUNDS -- CONVEYOR BELT COVER -- BRIDGE BEARING PAD -- BLOWOUT PREVENTER -- PHARMACEUTICAL BOTTLE STOPPER -- RUBBER BAND -- RUBBER SPRING -- RACQUET BALL -- RUBBER THREAD -- TRANSLUCENT

ARTICLE -- HIGH RESILIENCE COMPOUND -- DUROMETER 40
COMPOUND FOR TEAR STRENGTH -- DUROMETER 45 COMPOUND FOR
MOTOR MOUNT -- DUROMETER 55, OZONE RESISTANCE, HANDLE GRIP
-- DUROMETER 60 COMPOUND FOR LOW COST -- DUROMETER 60,
HEAT RESISTANCE & -- TEAR STRENGTH -- DUROMETER 60, TEAR
STRENGTH, LOW HEAT BUILD-UP -- DUROMETER 64, LOW ROLLING
RESISTANCE TRUCK TREAD -- DUROMETER 65 COMPOUND FOR BRASS
ADHESION -- DUROMETER 65 COMPOUND FOR LOW HEAT BUILD-UP --
DUROMETER 65 COMPOUND FOR THICK ARTICLES -- DUROMETER 70
COMPOUND FOR EXERCISE BAND -- DUROMETER 75 COMPOUND FOR
BUSHINGS -- DUROMETER 77 COMPOUND FOR REVERSION RESISTANCE
-- DUROMETER 80 COMPOUND FOR SOLING -- DUROMETER 80
COMPOUND FOR FIBER REINFORCED -- DUROMETER 93 COMPOUND
FOR EASY PROCESSING -- Chapter II. Styrene-Butadiene Polybutadiene
-- SBR SEAL -- TREAD RECIPE -- TIRE TREAD RECIPE -- TREAD RECIPE
-- TREAD STOCK -- DUROMETER 62 COMPOUND FOR LT TREAD --
DUROMETER 65 COMPOUND, HIGH PERFORMANCE TREAD -- DURO 68,
LOW ROLLING RESISTANCE PASSENGER TREAD.
DUROMETER 70 COMPOUND, HIGH PERFORMANCE TREAD --
DUROMETER 74, WET TRACTION, TEAR STRENGTH -- TIRE TOE STRIP
COMPOUND -- DUROMETER 90 COMPOUND FOR ROLLS -- DUROMETER
93 COMPOUND FOR ROLLS -- CREPE SOLE FORMULATIONS -- SOLE
FORMULATIONS -- CELLULAR SHOE SOLING -- CELLULAR SHOE SOLING
-- CELLULAR SHOE SOLING -- TEAR AND ABRASION RESISTANT SOLING
-- DUROMETER 48 COMPOUND FOR FOOTWEAR -- DUROMETER 60
COMPOUND FOR FOOTWEAR -- DUROMETER 62 COMPOUND FOR
FOOTWEAR -- DUROMETER 64, ABRASION RESISTANCE, FOOTWEAR --
DUROMETER 65 COMPOUND FOR FOOTWEAR, ZINC-FREE --
DUROMETER 68 COMPOUND FOR TRANSLUCENT SOLING --
DUROMETER 70 COMPOUND FOR SHOE SOLES -- DUROMETER 70
COMPOUND FOR SOLING -- DUROMETER 80 COMPOUND FOR
FOOTWEAR -- DUROMETER 85 COMPOUND FOR SOLING -- CONVEYOR
BELT COVER -- FRICTION AND SKIM COAT FORMULATIONS -- GOLF
BALL CORES -- DAMPENING COMPOUND -- SBR EXTRUSION
COMPOUNDS -- HARD RUBBER FORMULATIONS -- DUROMETER 64
COMPOUND FOR ABRASION RESISTANCE -- DUROMETER 70
COMPOUND FOR ABRASION RESISTANCE -- DUROMETER 73
COMPOUND FOR ABRASION RESISTANCE -- DUROMETER 75
COMPOUND FOR ABRASION RESISTANCE -- DUROMETER 80 COMPOUND
FOR ABRASION RESISTANCE -- COMPOUND FOR TEAR STRENGTH,
ABRASION RESISTANCE -- DUROMETER 60, RAPID CURE, LOW HEAT
BUILD-UP -- DUROMETER 65, LOW SET & -- LOW HEAT BUILD-UP
-- DUROMETER 65 COMPOUND FOR TRANSLUCENCE -- DUROMETER 65
COMPOUND FOR TRANSLUCENCE -- DUROMETER 70 COMPOUND,
NON-DISCOLORING -- DUROMETER 70 COMPOUND FOR SEMI-OIL
RESISTANCE -- DUROMETER 80, LOW SET, NON-TRANSLUCENT --
DUROMETER 90 COMPOUND FOR FLOORING -- NATURAL
RUBBER/BUTADIENE BLEND -- PRESS MOLDED CLOSED CELL SHEET
SPONGE -- PRESS MOLDED CLOSED CELL SPONGE, NON-OIL RESISTANT
-- PRESS MOLDED CLOSED CELL SHEET SPONGE -- PRESS MOLDED
CLOSED CELL SHEET SPONGE -- Chapter III. Butyl & -- Halobutyl --
BROMOBUTYL HIGH TEMPERATURE HOSE.
CHLOROBUTYL STEAM HOSE COMPOUND - TUBE -- STEAM HOSE TUBE
-- DUROMETER 65 COMPOUND FOR STEAM HOSE -- HEAT-RESISTANT
CONVEYOR BELT -- CHLOROBUTYL COVER COMPOUND FOR CONVEYOR
BELT -- BROMOBUTYL CONVEYOR BELT COVER -- TIRE WHITE
SIDEWALL COMPOUND -- TIRE INNERLINER COMPOUND --
CHLOROBUTYL INNERLINER COMPOUND -- BROMOBUTYL INNERLINER

COMPOUND -- INNERLINERS -- INNERLINER -- CHLOROBUTYL
EXHAUST HANGER COMPOUND -- DUROMETER 45 COMPOUND FOR
SQUASH BALLS -- CHLORINATED BUTYL PHARMACEUTICAL CLOSURE --
BROMOBUTYL PHARMACEUTICAL CLOSURE -- DUROMETER 55
COMPOUND FOR GENERAL MRG -- LOW RESILIENCE COMPOUND --
HIGH HARDNESS COMPOUND -- Chapter IV. Neoprene -- AIR
CONDITIONER HOSE -- DUROMETER 65 COMPOUND FOR HOSE --
DUROMETER 63 COMPOUND FOR HOSE -- DUROMETER 80 COMPOUND
FOR HOSE, BRASS ADHESION -- DUROMETER 70 COMPOUND FOR HOSE,
SURFACE GLOSS -- NON-BLACK HOSE COVER -- DUROMETER 75
COMPOUND FOR BELTS -- V-BELT RECOMMENDATION -- NEOPRENE
SEAL -- DUROMETER 40 COMPOUND FOR ROLLS & -- GASKETS --
NEOPRENE ROLL COMPOUND -- AIR SPRING -- STARTING POINT
FORMULATION FOR WET SUIT -- EXTRUSION COMPOUND, MICROWAVE
CURE -- EXTRUSION COMPOUNDS -- FORMULATIONS FOR MILITARY
APPLICATION -- FLAME RESISTANT BRIDGE BEARING PAD -- HIGH
HARDNESS COMPOUND -- DUROMETER 67 PLY SKIM FOR RFL FABRIC
AND CORD -- DUROMETER 60 COMPOUND FOR PLY ADHESION --
DUROMETER 53 COMPOUND FOR PLY ADHESION -- DUROMETER 70,
TEXTILE ADHESION & -- MILL RELEASE -- DUROMETER 70
COMPOUND FOR LOW SET -- DUROMETER 70, SEMI-
CONDUCTIVE/DIRECT BONDING -- DUROMETER 80 COMPOUND FOR
ADHESION -- DUROMETER 60, TEAR STRENGTH & -- HEAT
RESISTANCE -- DUROMETER 70, TEAR STRENGTH & -- HEAT
RESISTANCE -- DUROMETER 65 COMPOUND FOR ABRASION
RESISTANCE -- PRESS MOLDED CLOSED CELL SHEET SPONGE --
CELLULAR SHOE SOLING -- Chapter V. EPDM -- COOLANT HOSE --
AUTOMOTIVE RADIATOR HOSE -- RADIATOR HOSE -- RADIATOR HOSE.
SAE J20R, CLASS D-3 SPECIFICATION COOLANT HOSE -- SAE J20R,
CLASS D-1 SPECIFICATION COOLANT HOSE -- AIR BRAKE HOSE -- AIR
CONDITIONING HOSE COVER COMPOUND -- HYDRAULIC HOSE TUBE
FOR PHOSPHATE ESTERS -- HIGHLY EXTENDED HOSE -- STEAM HOSE
TUBE -- STEAM HOSE -- NON-BLACK, FLAME-RESISTANT COVER --
LOW COST, NON-BLACK COVER -- GENERAL PURPOSE HOSE
COMPOUND -- HIGH QUALITY HEAT RESISTANT HOSE -- VACUUM
TUBING -- GARDEN HOSE TUBE COMPOUND . -- COVER COMPOUND
FOR WIRE BRAID HOSE -- HEAT RESISTANT BELT COVER -- HIGH
TEMPERATURE RESISTANT TRANSMISSION BELT -- AUTOMOTIVE
WINDOW GASKETS -- WINDSHIELD GASKETS -- AUTOMOTIVE
WEATHERSTRIPS -- EPDM SEAL -- GENERAL GASKET -- WASHING
MACHINE GASKET -- CHLORAMINE RESISTANT GASKETS, SEALS,
MEMBRANES -- BUILDING SEALS -- CURTAIN WALL SEAL -- LATHE CUT
WASHER -- GENERAL WEATHER-STRIPPING -- LINESMAN BLANKET
CALENDERING COMPOUND -- UV RESISTANT WHITE SHEET -- ROOF
SHEETING -- SINGLE PLY ROOFING COMPOUND -- FLAME RETARDANT,
SHEETING OR MOLDING APPLICATIONS -- MOTOR LEAD WIRE
INSULATION -- IGNITION CABLE INSULATION -- IGNITION WIRE
INSULATION -- LOW COST ELECTRICAL INSULATION -- MEDIUM-HIGH
VOLTAGE INSULATION -- FLEXIBLE CORD INSULATION -- EPDM HEAVY
DUTY JACKET (ASTM D752) -- FLEXIBLE CORD INSULATION -- MEDIUM
VOLTAGE (15 KV) INSULATION -- NON-BLACK AUTOMOTIVE BUMPER
STRIP -- BRAKE CUP -- MASTER CYLINDER RESERVOIR DIAPHRAGM --
SOLID TIRE -- BRAKE CUP -- AUTOMOTIVE CLOSED CELL EXTRUDED
SPONGE -- DENSE AUTOMOTIVE EXTRUSION COMPOUND -- 70 SHORE A
DENSE AUTOMOTIVE EXTRUSION COMPOUND -- 80 SHORE A DENSE
AUTOMOTIVE EXTRUSION COMPOUND -- EXTRUSION COMPOUNDS --
EXTRUSION COMPOUNDS, MICROWAVE CURE -- DENSE EXTRUSION
COMPOUND FOR LCM CURE -- GENERAL PURPOSE MOLDING

COMPOUND -- TRANSFER MOLDING COMPOUND -- HIGH SPEED
 EXPANDER ROLL -- 90 DUROMETER NON-BLACK ROLL COMPOUND --
 BOAT DOCK BUMPER -- 40 DUROMETER NON-BLACK ROLL
 COMPOUND.
 50 SHORE A DENSE EXTRUSION COMPOUND -- PRESS MOLDED CLOSED
 CELL SHEET SPONGE -- EXTRUDED SPONGE COMPOUND FOR LCM
 CURING -- SPONGE COMPOUND FOR INJECTION MOLDING -- FLAME
 RESISTANT COMPOUND -- MICROWAVE CURE FORMULA -- WATER
 SPORTS EQUIPMENT -- NON BLACK SPORTS EQUIPMENT -- OUTDOOR
 MATTING -- GUN STOCK PAD -- BUILDING PROFILES -- C.V. CURED
 COMPACT PROFILES (UHF OR LCM CURING) -- EXPANDED PROFILES
 (UHF OR "SHEAR HEAD" CURING) -- 48 SHORE A COMPOUND -- 621
 MPa (90,000 PSI) FLEXURAL MODULUS TPO -- 241 MPa (35,000 PSI)
 FLEXURAL MODULUS TPO -- 1034 MPa(150,000 psi) FLEXURAL
 MODULUS TPO -- Chapter VI. Nitrile -- FUEL HOSE -- FUEL HOSE --
 FUEL HOSES -- GASOLINE RESISTANT LINING -- TRUCK FUELING HOSE
 TUBE -- POLYBLEND FOR FUEL SERVICE -- AUTOMOTIVE FUEL SERVICE
 -- AUTOMOTIVE FUEL HOSE COVER -- AUTOMOTIVE FUEL HOSE COVER
 -- SOUR GASOLINE RESISTANT FUEL HOSE COMPOUND -- MIL-H-6615B
 FUEL HOSE -- MILITARY FUEL & -- OIL DISCHARGE HOSE TUBE --
 INJECTION FUEL HOSES -- FREON DIFFUSION & -- OIL/FUEL
 RESISTANT COMPOUND -- POWER STEERING HOSE -- AIR INTAKE HOSE
 -- EMISSION CONTROL HOSE TUBE -- AUTOMOTIVE AIR CONDITIONING
 HOSE -- POWER STEERING SERVICE -- AIR, OIL AND WATER SERVICE --
 GENERAL PURPOSE HYDRAULIC SERVICE -- HIGH TEMPERATURE
 HYDRAULIC SERVICE -- OIL SUCTION AND DISCHARGE SERVICE -- HOSE
 FORMULAS -- LIQUID PETROLEUM GAS SERVICE -- LPG HOSE -- LPG
 RESISTANT HOSE -- FIRE HOSE COVER -- HOSE FOR LOW TEMPERATURE
 RESISTANCE -- HIGH PRESSURE HOSES -- MILK HOSE -- HOSE/BELT
 COVER FOR-40°C SERVICE -- GASKET, BRAKE FLUID RESISTANCE -- 70
 SHORE A OIL SEAL -- INTANK ELECTRIC FUEL PUMP ISOLATOR
 FORMULATION -- WATER PUMP SEAL COMPOUND FOR 138°C -- LOW
 TEMPERATURE CAPABILITY FOR TRUCK HUB SEALS -- SHOCK ABSORBER
 SEAL -- OIL & -- LOW TEMPERATURE RESISTANT GASKET --
 GASKET, LOW TEMPERATURE AND GREASE RESISTANT -- CORK GASKET
 -- LOW TEMPERATURE GASKET.
 HEAT EXCHANGER GASKET.

Sommario/riassunto

A stable usage of rubber compounds in the production of components
 for almost every industry has created the need for this handbook and
 formulary. Convenience is the primary reason for such a book. With the
 variety of uses for rubber being as broad as the imagination, a
 formulary which includes an overview of the history of rubber, as well
 as sections on ingredients, processing methods, and testing, is a
 welcome addition to any manufacturer's library. Rubber products
 include seals and gaskets for windows, pressure and vacuum hoses for
 automotive and aerospace applications, bottle stopp