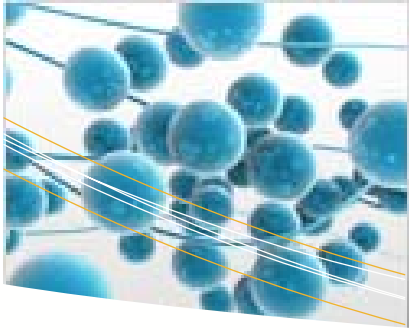




COMPANY BROCHURE

RTC Chemical Ltd.

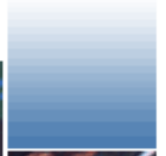
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ADHESIVE, CABLE, PLASTIC

- Adhesives; for your genuine performance.
- Supply all your needs from one source.
- Plastic; solutions come from industrial technology.

Supplying Essentials



consulting
sales
support

The history of RTC Chemical commenced when the founders of the corporation began to work on adhesives for Turkish domestic market to saturate the reliable supplier needs.

Today, with more than five years experience and high performance, RTC Chemical evolves to become a partner for Adhesive, Cable materials, and Plastics.

Aspiration of RTC "Supplying The Essentials" is symbolized by our corporate values.

OUR CORPORATE VALUES;

- Innovative
- Respect
- Dynamism
- Solidarity

BUSINESS AREAS



Cable Materials

- Filling Compounds
- Strength Members
- Yarns
- Tapes
- Optical Fiber

Adhesives

- Dispersions
- Hotmelts
- Reactives

Plastics

- Polyamide
- Polyethylene
- Polypropylene
- PBT

Automotive

Industrial

Consumer

Applications

RTC Chemical is operating its businesses in Adhesive, Cable and Plastic industries. High quality, on time delivery, competitive price are among the main advantages that RTC offers to its customers.

RTC Chemical is aiming to work with high quality labor force that is strictly dedicated to corporate values; innovative, respect, dynamism and solidarity in their relations with both customers and suppliers.

Priority and the vision of RTC is to be a leading and a creative firm in the targeted region for specified business areas.

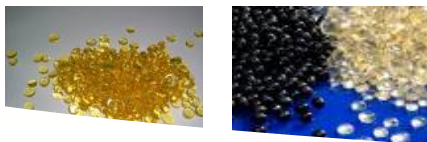
ADHESIVES



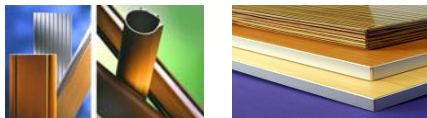
HOTMELT



-Eva Based Hotmelts: EVA based hotmelts can be formulized by many applications. Resin has various cohesiveness, hardness and open-time properties according to its polymer nad wax amounts.



-Polyolefin based Hotmelts (PO) Polyamid based Hotmelts (PA): Polyolefin based hotmelts are used generally in areas of heat resistance, fuel and acid resistance. Polyolefin's are generally longer open time glues. Polyolefin's are used frequently in home appliances, diapers, medicine, sterile goods.



-Polyamide based Hotmelts(Pa): Polyamides are preferred for fuel, solvent-resistance as well as for heat-resistance up to 150C. They are one of the strongest hotmelt groups. They are used in leather, house devices, furniture, automotive and filter and shoe industry.

-Block Copolymer based Hotmelts(Pressure Sensitive PSA): They are generally preferred because of their high elasticity at low temperature. As it is able to sustain cohesive properties and tackiness at lower temperature, it is widely used in automotive, sterilization, home appliance, furniture and conveyors.

DISPERSIONS



-PVA Emulasons: Polyvinyl acetate is synthetic polymer which belongs to vinyl ester group. polyvinyl acetate emulsions not only they have widest range of usage and consumption they are generally used in paint and textile industries. PVA emulsions are categorized under two basic groups ; homo-polymer and copolymer.

-Acrylic Polymer & Copolymers: Acrylic based adhesives are assured as emulsion dispersion and liquid form which is consisting of %100 polymer. Acrylic based adhesives are especially being used in abrasive, tapes and textile industry.



REACTIVES

-Reactive Polyurethane: The abbreviation PUR stands for single component, humidity- reactive polyurethane hotmelts. The PUR Hot melts fulfill highest requirements regarding temperature, water, steam, detergent and solvent-resistance.



-Polyurethane With Two Components: Polyurethane with two components are used to bond plastics, metals and wooden parts. The two components that form this adhesives are polyol and hardener isocyanate.

-Polyurethane With One Components: This group of adhesives cures with air moisture and especially used to produce sandwich panels and doors. Open time of the adhesive which can be adjusted according to the production capacity and the requirements of the customer is also affecting the press period that is a must for one component polyurethanes.

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CABLE MATERIALS



CABLE FILLING COMPOUNDS

-Regular Cable Filling Comp.

Supradur 50
Supradur 60
Supradur 90
Supradur 100

-Thixotropic Filling Comp.

Supradur THX 200
Supradur THX 250
Supradur THX 300

-Flooding Comp.

Supradur FLT 50
Supradur FLP 70



CENTRAL SUPPORT ELEMENT (CSM)

Central Strength Members are composed of high strength E glass fibers impregnated with a proprietary UV curable resin. This lightweight FRP is five times stronger than steel. FRP Rods are non-corrosive, non-conductive, high performance materials that give the competitive advantage of strength and elastic memory with small weight and volume requirements.

ELASTIC SUPPORT ELEMENT

-Aramid Yarn: The optical fibers in the cable have to be safeguarded against mechanical stresses to ensure their optimal performance. Para-aramid yarn normally applied in the periphery of the cable, provides the necessary protection.

-Glass Yarn: Glass filaments have very smooth stranding process compared to other type of yarns. Users can get higher impregnation levels and more uniformly distributed transmission of the pulling force during the production and installation of the cable.

BUFFER TUBE (PBT / PA)

Semi crystalline engineering thermoplastic resin PBT (Polybutylen Terephthalate Polyester) and Polyamide play an important role for the required high strength and the protection of optical fibers.

Raktodur 011
Raktodur 013
Raktodur 040
Raktomit 606



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CABLE MATERIALS



CABLE YARNS

-Binder Yarns: These products work seamlessly on manufacturing lines manufacturing Gel (Jelly) flooded copper communication cables as well as Optic Fiber Cables. We offer specially treated non-wicking, fire retardant, water swellable finishes & waxed or non-waxed finishes as desired by our customers. Polyester, aramid and nylon types are possible to be supplied.

-Ripcord Yarns: Ripcords are in various Denier: Aramid, Nylon, and Polyester. Our ripcords are engineered with Non-Wicking, Water Swellable and Flame Retardant/Low Smoke finishes. Our process allows us to produce ripcords that offer higher yield yet maintain or surpass the break strength of other ripcords in the market, resulting in lower cost-per-meter.

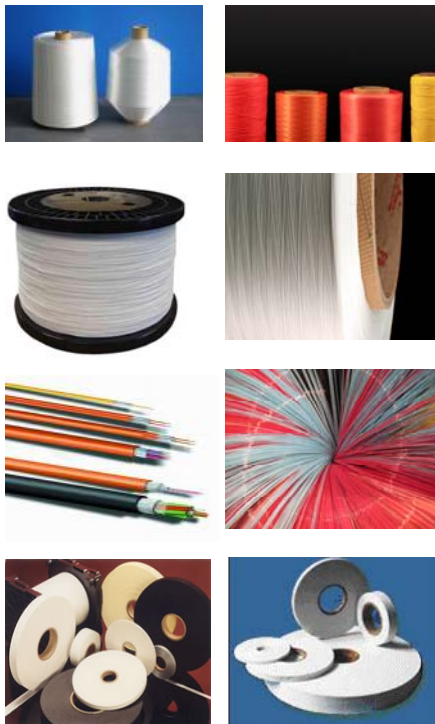
-Filler Yarns: Filler yarns are made from twisted glass which ensures that the cable is round and stable. It adds additional strength to the cable. They are resistant to high temperatures and Flexible.

TAPES

-Non Conductive WB Tapes: Non conductive cable wrapping tapes perform a wide variety of functions including sacrificial curing (autoclave curing), binding, bedding, separating, and core identification. They are also used for laminating to sheathing to improve performance in cold impact testing.

-Semi Conductive WB Tapes: Semi-Conducting tapes perform electrical functions within a cable. Primary function of Semi-Conducting Tapes is to equalize the field current around the conductor or core and to provide electrical contact with the earthing system.

-LSHF Fire Retardant Tape: These tapes are based on a finely woven glass substrate, which has intrinsic fire retardant properties, and the surface coating also gives weave stability. All of these tapes are free from halogens and sulphur.



OUR VALUES

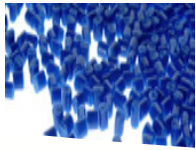
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PLASTICS



POLYAMIDE 6 CHIPS (PA 6)

RTC Chemical supply 3 standard types of Polyamide-6 (PA-6) granulate. Our product viscosity index varies between 2,55 to 3,4. Actually it is used in aviation, construction, automotive, engineering and textile sectors.



POLYAMIDE STAPLE FIBER

RTC Chemical supply polyamide staple fiber with no mechanic flatteration, bright and dull colour or appearance.

1. Polyamide thermostabilized staple fiber for carpet industry: 1 tex(9 denier) with 65/100 mm.
2. Polyamide staple fiber for textile industry: 0.33 tex, 0.48 tex, 0.68 tex(3 denier, 4 denier, 6 denier) with 50/65 mm.



POLYAMIDE YARN

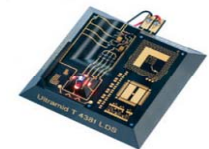
RTC Chemical supply the high tenacity technical yarn that is used for production of the tire cordfabric, conveyor belts, rubber technical products, fishing nets, cables, ropes.

1. Polyamide yarn for fishing industry 187 tex, 93.5 tex, 29 tex.
2. Polyamide yarn for rubber goods 187 tex, 93.5 tex.
3. Polyamide yarn for industrial- use 250 tex.
4. Polyamide yarn for bag goods and packing materials 230 tex.
5. Polyamide texturized yarn elastic 5 tex, 7.8 tex, 7.8tex, 10 tex.
6. Polyamide filament yarn with low twist for knitting industry 6.7 tex, 7.8 tex, 15.6 tex.
7. Polyamide yarn for textile and haberdashery industry 5 tex, 6.7tex, 15.6 tex.



POLYETHYLENE (PE)

Polyethylene describes a huge family of resins and it is by far the largest volume commercial polymer. RTC Chemical supply UHMWPE (ultra high molecular weight PE), HDPE (high density PE), HDXLPE (high density cross-linked PE), PEX (cross-linked PE), MDPE (medium density PE), LDPE (low density PE), LLDPE (linear low density PE), VLDPE (very low density PE) products that varies different categories.



POLYPROPYLEN (PP)

RTC Chemical supply polypropylene granules being an inexpensive, ductile, low strength material with reasonable outdoor performance. It's suitable for all thermoplastic applications. The color is opaque and white, but it can be dyed in many colors. Polypropylene is reasonably economical, and has a good chemical resistance.

POLYBUTYLENE TEREPHTHALATE (PBT)

Another product Raktodur that RTC Chemical serve to its customer is PBT thermoplastic polyester resins are based on polybutylene terephthalate. Raktodur PBT is preferred for the manufacture of high-quality and high-stress moulded engineering parts: in industrial applications, including electronics, electrical, automotive, domestic, medical appliances and sporting goods.

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