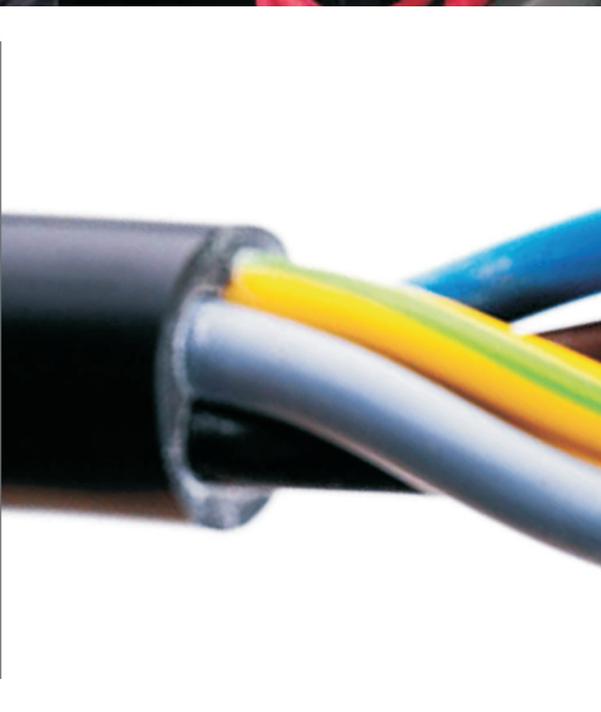




**TAPRYL<sup>®</sup>**



**High  
Performance  
Modifiers**

## Specialty Elastomer Powders

NBR (Nitrile) and PVC are highly compatible when mixed together. The mixture of NBR – PVC is recommended for applications requiring good resistance to weathering and organic liquids such as oils and aliphatic solvents. Pre-crosslinked NBR grades are widely used in soft PVC compounds for extrudates or calendaring process.

They are specialty products for whole host of technical PVC articles such as crash pads, films, coated fabrics, profiles and hoses, cable sheathing, the soles of shoes & boots and floorings. Our Tapryl<sup>®</sup> CP Series is particularly beneficial as an active component.

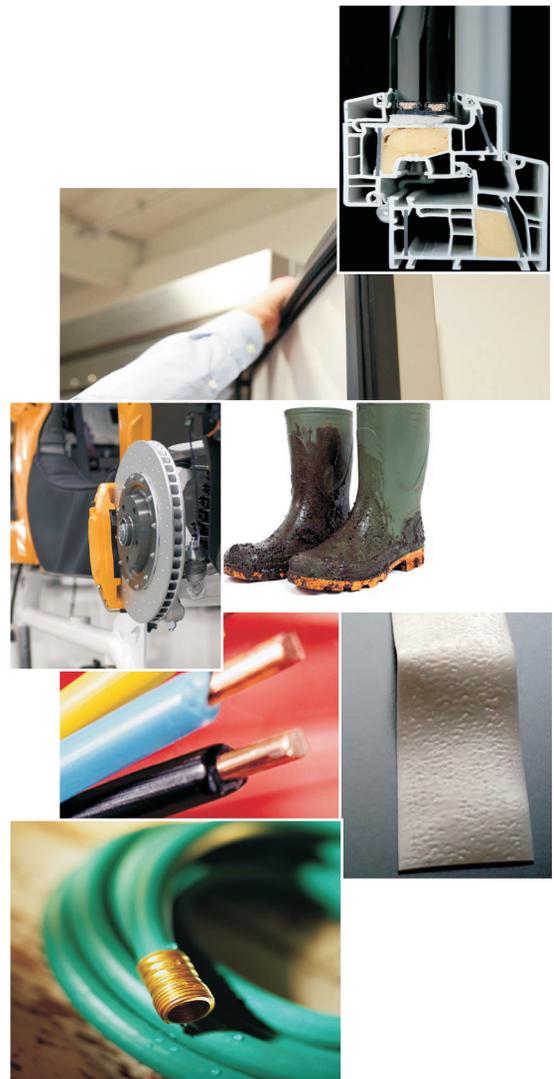
### BENEFITS

- Improved Impact Resistance
- Low Temperature Flexibility
- Reduced Abrasion And Wear
- Reduced Migration Of Plasticizer
- Rubber Like Feel (TPE)
- Enhanced Mechanical Properties
- Ozone / Weather Resistance
- Oil / Fuel / Chemical Resistance
- Anti - Fog

*Tapryl NBR Powder modified PVC & EVA Compounds find application in various areas.*

### APPLICATIONS

- Appliances  
Refrigeration gaskets, Profiles, Over moulded components.
- Automotive  
Weather Strips, Expansion Joints, Bellows, Gaskets, Gripper fins, Seals.
- Building  
Glazing gaskets, Floorings, Co-extruded
- Construction  
Profiles, Expansion Joints.
- Leather  
Footwear, Tarpaulins, Furniture, Stationery.
- Cable  
Jacketing compounds, Welding Cables, Low & Medium voltage, Cables, Strippable semi conductive (XLPE) Compounds.
- Footwear  
Safety boots, Micro cellular soiling, Leisure boots & soles.
- Tubing  
Garden Hose, Spiral Industrial and domestic hose pipes.



## High Performance Additive for PVC

PVC can be modified and compounded in many different ways to gain specific properties for targeted end uses. Tapryl<sup>®</sup> HT can be added to improve mechanical performance, having the major advantage of also softening the final product without

the issues of migratory plasticisers. Tapryl<sup>®</sup> HT is a high molecular weight thermoplastic elastomer and can be easily blended with PVC. Tapryl<sup>®</sup> HT polymer does not contain any phthalate plasticisers.

### **BENEFITS**

- Higher softness without any migration issue
- Better impact strength at low temperature
- Improved chemical resistance, specifically oil resistance
- Consistent performance over time, especially vs conventional plasticisers
- Better stability of mechanical performance over a wider range of temperatures
- Improved low temperature flexibility
- Increased flex-life

### **APPLICATIONS**

- Protective jackets for hose and tubing/ fire-hose jacketing
- Hot melt adhesives working at high temperature
- Automotive wire and cable
- Sport/ safety shoe soles
- Flexible PVC pipes
- Coiled cable

## High Performance Additive for ABS & ABS Blends

ABS can be modified, compounded and processed in many different ways to gain specific properties for targeted end uses. The combination of low temperature ductility and improved

chemical performance make the addition of Tapryl<sup>®</sup> HT beneficial for a wide range of applications, in both sheet forming as well as injection moulding and profile extrusion.

### **BENEFITS**

- Improved stress cracking resistance
- Increased ductility and impact strength at low temperature.
- Increased chemical resistance in particular at stressed areas and weld lines.
- Increased elongation, depending on Tapryl<sup>®</sup> HT grade used.
- Can also be added to recycled ABS to recover original impact properties
- Improved impact resistance
- To provide adhesion as a tie layer.

### **APPLICATIONS**

- Plastic Electronic Housings and Bodies
- Fasteners
- Vehicle fairing / cowls
- Bathroom & Garden Furniture
- Outer skin on composite doors
- Panels for vehicles

taprath.com



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