

Accel TB Material Compatibility Chart

General Material	Trade Name	Compatibility with Accel TB
Acrylonitrile		Excellent ¹ . No effect
Acrylics (Acrylic or Methacrylic Esters)	Plexiglas [®] , Acrylite [®]	Excellent ¹ . No effect
CPVC (Chlorinated Polyvinyl Chloride)		Excellent ¹ . No effect
Polyethylene (LDPE & HDPE)		Excellent ¹ . No effect
PPE (Polyphenylene ether)	Noryl [®]	Excellent ¹ . No effect
PEEK (PolyEtherEtherKetone)		Excellent ¹ . No effect
Polycarbonate	Lexan [®]	Excellent ¹ . No effect
Polypropylene, Polyurethane		Excellent ¹ . No effect
PVC (Polyvinyl Chloride)		Excellent ¹ . No effect
PTFE (Polytetra Fluoroethylene)	Teflon [®]	Excellent ¹ . No effect
PVDF (Polyvinylidene Fluoride)	Kynar [®]	Excellent ¹ . No effect
PPS (Polyphenylene Sulphide)	Ryton [®]	Excellent ¹ . No effect
Polyvinyl derivatives	Tygon [®]	Excellent ¹ . No effect
EPDM (Ethylene Propylene Diene Monomer)	Nordel [®]	Excellent ¹ . No effect
FKM or FPM (Fluoro Rubber)	Viton [®] , Fluorel [®]	Excellent ¹ . No effect
FFKM (Perfluorinated Elastomer)	Chemraz [®]	Good ² . Minor effect
Rubber (Natural & Silicone)		Excellent ¹ . No effect
Aluminum, Titanium		Excellent ¹ . No effect
Stainless Steel (316 & 304)		Excellent ¹ . No effect
Porcelain, Ceramic		Excellent ¹ . No effect
Hypalon		Severe Effect ⁴ . Not recommended
Carbon Graphite		Fair ³ . Moderate effect
Carbon Steel		Severe Effect ⁴ . Not recommended
Cast Iron, Copper, Brass		Fair ³ . Moderate effect
Anodized Aluminum, Galvanized Steel		Fair ³ . Moderate effect
Bronze		Good ² . Minor effect

¹Excellent. No effect on integrity of material.

²Good. Minor effect, slight corrosion or discoloration. Damage judged to not affect material performance, not aesthetically objectionable.

³Fair. Moderate effect, not recommended for continuous use. Softening, loss of strength, swelling may occur, appearance is aesthetically objectionable.

⁴Severe Effect. Not recommended for ANY use. Severe damage to substrates, discernible corrosion, pitting, or corrosion by-products deposits visible on surface of material. Mechanical integrity of material is judged to be compromised.

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Acrylite[®] is a registered trademark of Cyro Industries.

Noryl[®] and Lexan[®] are registered trademarks of GE Plastics Corp.

Delrin[®], Teflon[®], Nordel[®] and Viton[®] are registered trademarks of DuPont Dow Elastomers.

Ryton[®] is a registered trademark of Chevron Phillips Chemical Company.

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Fluorel[®] is a registered trademark of Dyneon, LLC.

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