

CS Hyde Company- High Performance Film Properties Guide

Acronym	Common Name	Trade Name	Chemical Resistance	Dielectric Strength	Easy to bond	FDA Approval	Flame Resistance	High Heat Resistance	High Strength & Stiffness	Impact Resistance	Hydrolysis Resistance	Low COF	Low Temp. Resistance	Moderate Cost	Moderate Heat Resistance	Permeability (Low)	Translucency	Transparency	UV Stability	Wear Resistance
ABS	Acrylonitrile Butadiene Styrene	Cyclac®	X		X	X				X				X	X	X				
ECTFE	Ethylene Chlorotrifluoroethylene	Halar®	X	X		X	X	X	X	X			X			X	X			X
ETFE	Ethylene Trifluoroethylene	Tefzel®	X	X		X	X	X					X			X	X			
PEEK	Polyetheretherketone	Victrex®PEEK™	X	X	X	X	X	X	X	X	X	X							X	X
PEI	Polyetherimide	Ultem®	X	X	X	X	X	X	X	X	X							X	X	
PES	Polyethersulfone	Ultrason® E, Radel® A	X	X	X	X	X	X	X		X							X		
PI	Polyimide	Kapton®	X	X	X		X	X	X		X						X			
PMP	Polymethylpentene	TPX®	X	X		X								X	X			X		
POM	Polyoxymethylene	Celcon®	X			X				X		X		X	X					X
PPS	Polyphenylene Sulfide	Fortron®, Ryton®	X	X		X	X	X			X									
PSU	Polysulfone	Udel®	X	X	X	X		X	X		X							X		
PVDF	Polyvinylidene Fluoride	Kynar®, Solef®	X	X		X	X						X		X	X	X		X	



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