

ColorFast® FRPPO100

(PPE+PS)

Americhem Engineered Compounds

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	15	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	60.7	MPa	ASTM D 638
Tensile Strength at Break	46.9	MPa	ASTM D 638
Elongation at Yield	3.6	%	ASTM D 638
Elongation at Break	9	%	ASTM D 638
Flexural Modulus	2310	MPa	ASTM D 790
Flexural Strength	89.6	MPa	ASTM D 790
Rockwell Hardness	R120	-	ASTM D 785
Izod Impact notched, 1/8 in	267	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 66 psi	95	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.08	%	ASTM D 570
Density	1300	kg/m ³	ASTM D 792

Characteristics**Special Characteristics**

Flame retardant, Halogen-free

Regional Availability

North America