

TRILAC® FR3800

ABS

Amco Polymers

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	8	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	37.9	MPa	ASTM D 638
Flexural Modulus	2241	MPa	ASTM D 790
Flexural Strength	65.5	MPa	ASTM D 790
Rockwell Hardness	R 105	-	ASTM D 785
Izod Impact notched, 1/8 in	160	J/m	ASTM D 256
Izod Impact notched, 1/4 in	144	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.52	mm	-
DTUL @ 66 psi	83.3	°C	ASTM D 648
DTUL @ 264 psi	76.7	°C	ASTM D 648
Other Standards^[S]			
Burning behav. 5V at thickness h	5VA	class	UL 94
Thickness tested	3.0	mm	-
Yellow Card available	yes	-	-

S: These properties are reported by the producer according standards that are different to our defaults.

Other properties	Value	Unit	Test Standard
Density	1200	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	87.8	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	193 - 232	°C	-
Mold temperature	54.4 - 71.1	°C	-
Zone 1	171 - 182	°C	-
Zone 2	199 - 210	°C	-
Zone 3	204 - 216	°C	-
Nozzle temperature	204 - 216	°C	-
Screw speed	30 - 60	rpm	-
Injection pressure	55.2 - 82.7	MPa	-
Back pressure	0.345 - 0.689	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

Flame retardant

Certifications

RoHS compliant

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa