

TRILAC® ABS-HS7500

ABS

Amco Polymers

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	18	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	44.1	MPa	ASTM D 638
Flexural Modulus	2151	MPa	ASTM D 790
Rockwell Hardness	R 110	-	ASTM D 785
Izod Impact notched, 1/8 in	400	J/m	ASTM D 256
Izod Impact notched, 1/4 in	331	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.52	mm	-
DTUL @ 264 psi	83.9	°C	ASTM D 648

Optical properties	Value	Unit	Test Standard
Other Standards^[5]			
Gloss	92	-	ASTM D 523

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

Other properties	Value	Unit	Test Standard
Density	1050	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	87.8 - 93.3	°C	-
Pre-drying - Time	2 - 24	h	-
Melt temperature	232 - 260	°C	-
Mold temperature	48.9 - 65.6	°C	-
Zone 1	193	°C	-
Zone 2	216	°C	-
Zone 3	227	°C	-
Screw speed	50 - 60	rpm	-
Injection pressure	68.9 - 82.7	MPa	-
Back pressure	0.689	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

High impact or impact modified

Regional Availability

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