

TRILAC® ABS-HS4000

ABS

Amco Polymers

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	4	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	44.8	MPa	ASTM D 638
Elongation at Break	15	%	ASTM D 638
Flexural Modulus	2592	MPa	ASTM D 790
Rockwell Hardness	R 105	-	ASTM D 785
Izod Impact notched, 1/8 in	214	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	87.8	°C	ASTM D 648

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

Applications

General Purpose

Regional Availability

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