

Absolac® 120

ABS

Styrenix Performance Materials Limited

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	18	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
ASTM Data			
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Rockwell hardness	R 105	-	ISO 2039-2
ASTM Data			
Tensile Modulus	2649	MPa	ASTM D 638
Tensile Strength at Yield	47.1	MPa	ASTM D 638
Flexural Modulus	2453	MPa	ASTM D 790
Flexural Strength	73.6	MPa	ASTM D 790
Rockwell Hardness	R 105	-	ASTM D 785
Izod Impact notched, 1/8 in	284	J/m	ASTM D 256
Izod Impact notched, 1/4 in	235	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Coefficient of Thermal Expansion, MD	85	E-6/K	ASTM D 696
DTUL @ 66 psi	97	°C	ASTM D 648
DTUL @ 264 psi	90	°C	ASTM D 648
Vicat Temperature	97	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	1040	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	220 - 260	°C	-
Mold temperature	60 - 80	°C	-

Characteristics**Processing**

Injection Molding

Features

Copolymer

Delivery form

Pellets

Regional Availability

Asia Pacific

Special Characteristics

High impact or impact modified