

ABS10

ABS

Persian Gulf Polymer Pooya Tejarat Novin Co.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	30	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.0055	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	39.2	MPa	ASTM D 638
Flexural Modulus	1790	MPa	ASTM D 790
Flexural Strength	57.4	MPa	ASTM D 790
Rockwell Hardness	R 105	-	ASTM D 785

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
DTUL @ 264 psi	83	°C	ASTM D 648
Vicat Temperature	93.5	°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
Pre-drying - Temperature	80 - 85	°C	-
Pre-drying - Time	3	h	-
Melt temperature	230	°C	-
Mold temperature	60 - 80	°C	-
Zone 1	190 - 200	°C	-
Zone 2	200 - 210	°C	-
Zone 3	210 - 220	°C	-
Zone 4	210 - 220	°C	-
Nozzle temperature	215 - 225	°C	-

Characteristics**Processing**

Injection Molding

Applications

Automotive, Electrical and Electronical, General Purpose, Refrigeration

Regional Availability

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