

**ABS80**

ABS

Persian Gulf Polymer Pooya Tejarat Novin Co.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>50</b>	g/10min	ASTM D 1238
Temperature	<b>220</b>	°C	-
Load	<b>10</b>	kg	-
Mold Shrinkage, MD	<b>0.0055</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength	<b>45.1</b>	MPa	ASTM D 638
Flexural Modulus	<b>2060</b>	MPa	ASTM D 790
Flexural Strength	<b>64.7</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 110</b>	-	ASTM D 785
<b>Thermal properties</b>			
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
DTUL @ 264 psi	<b>83.5</b>	°C	ASTM D 648
Vicat Temperature	<b>94</b>	°C	ASTM D 1525
<b>Other properties</b>			
Density	<b>1040</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>80 - 85</b>	°C	-
Pre-drying - Time	<b>3</b>	h	-
Melt temperature	<b>230</b>	°C	-
Mold temperature	<b>60 - 80</b>	°C	-
Zone 1	<b>190 - 200</b>	°C	-
Zone 2	<b>200 - 210</b>	°C	-
Zone 3	<b>210 - 220</b>	°C	-
Zone 4	<b>210 - 220</b>	°C	-
Nozzle temperature	<b>215 - 225</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Applications**

Electrical and Electronical, General Purpose, Refrigeration

**Regional Availability**

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