

**ABS50**

ABS

Persian Gulf Polymer Pooya Tejarat Novin Co.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	35	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
<b>ASTM Data</b>			
Tensile Strength	44.6	MPa	ASTM D 638
Flexural Modulus	1962	MPa	ASTM D 790
Flexural Strength	63.8	MPa	ASTM D 790
Rockwell Hardness	R 109	-	ASTM D 785

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
DTUL @ 264 psi	85	°C	ASTM D 648
Vicat Temperature	95	°C	ASTM D 1525

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

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 85	°C	-
Pre-drying - Time	3	h	-

**Characteristics****Applications**

Electrical and Electronical, General Purpose, Refrigeration

**Regional Availability**

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