

## Iran Petrochemical (PCC) SV-0157 Acrylonitrile Butadiene Styrene

Category : Polymer , Thermoplastic , ABS Polymer

**Material Notes:**

SV - 0157 ABS extrusion grade has been formulated to provide excellent mechanical properties, extrusion stability, vacuum formability and chemical resistance. It has low flow with high impact strength at ambient temperature and considerable impact strength at low temperatures. This grade has a wide processing window. Applications: SV-0157 extrusion grade is mainly used for parts which need significant impact resistance. Since sheets can be vacuum formed, it is the appropriate grade for refrigerator sheets which are in direct contact with rigid insulating foam produced with cyclo-pentane as blowing agent. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Iran-Petrochemical-PCC-SV-0157-Acrylonitrile-Butadiene-Styrene.php](http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-SV-0157-Acrylonitrile-Butadiene-Styrene.php)

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in <sup>3</sup>	
Linear Mold Shrinkage	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	ASTM D955
Melt Flow	0.50 g/10 min @Load 5.00 kg, Temperature 200 °C	0.50 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	104	104	ASTM D785
Tensile Strength, Yield	45.1 MPa	6540 psi	ASTM D638
Elongation at Break	70 %	70 %	ASTM D638
Flexural Yield Strength	61.8 MPa	8960 psi	ASTM D790
Flexural Modulus	2.15 GPa	312 ksi	ASTM D790
Izod Impact, Notched (ISO)	31.0 kJ/m <sup>2</sup>	14.8 ft-lb/in <sup>2</sup>	ISO 180

Thermal Properties	Metric	English	Comments
Vicat Softening Point	100.5 °C	212.9 °F	ASTM D1525
Flammability, UL94	HB	HB	

### Contact Songhan Plastic Technology Co.,Ltd.

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