

SABIC Innovative Plastics Cyclac® INP703 ABS

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

INP703 is a high heat ABS resin, and is based on alphamethyl styrene acrylonitrile butadiene styrene (AMS-ABS) with 14 per cent polybutadiene rubber. Increases the service temperature of PVC and other polymer blends. Provides compatibility with PVC at all concentrations. Combines the benefits of a heat distortion modifier and an impact modifier for non-weatherable applications. Improves melt strength and grain retention. Can be alloyed with ABS or PVC to improve heat resistance. Potential applications include:-

Thermoformed parts requiring excellent emboss retention - Automotive Instrument Panel Skins, Door Panel Skins and Profiles - Appliances and business machine housing - Pipe for conveying hot fluids - Dark colored exterior siding substrate

This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Cyclac-INP703-ABS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D 792
Density	1.05 g/cc	0.0379 lb/in ³	molded; ISO 1183
Volatiles	0.40 %	0.40 %	Total NA Volatiles; SABIC Method
Particle Size	120 µm	120 µm	mean resin; SABIC Method

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	114	114	ASTM D 785
Hardness, Shore D	79	79	ASTM D 2240

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	116 °C	241 °F	annealed; ASTM D 648

Descriptive Properties	Value	Comments
Rubber, %	14	SABIC Method

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