

	TYPICAL DATA SHEET*	ISSUE DATE	May-2021
	ACRILONITRILE BUTADIENE STYRENE "ABS"	WWW.TPCO.IR	
	HR0370	IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL:+984134282612	

Although general purpose ABS have good enough mechanical properties for the practical use in terms of process ability, impact strength, etc, its use is sometimes limited at high temperature due to the deformation of its molded products by heat. So High Heat Resistant ABS (HR0370) offers an attractive alternative to general purpose ABS and other engineering plastics making it suitable for the applications designed for the use at high temperature. Mold shrinkage is around 0.4% -0.6%

Applications: Automotive interior, Cockpit module parts, Power window, Switch panel, Pull handle, Console

Drying: Drying prior to processing is recommended in a desiccant de humidifying hopper dryer. An inlet air dew point of 20°F (-29°C) or below is recommended to achieve a moisture content 0.1%. Typical drying conditions are 2 hours at 180°-190°F (82° - 88°C). Drying for 4 hours at 160° - 170°F (71°-77°C) is also adequate.

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX (200°C/5KG)	GR/10MIN	ASTM D-1238	1.2
IZOD IMPACT STRENGTH	KJ/M2	ASTM D-256	17
VICAT SOFTENING POINT(50N LOAD)	°C	ASTM D-1525	102
BULK DENSITY	KG/M3	-	600
TENSILE STRENGTH AT YEILD	KGF/CM2	ASTM D-638	450
ROCKWELL HARDNESS(AT 23°C)	R.SCALE	ASTM D-785	106

*All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests. For more information about guaranteed items, please refer to S.S.S. (Standard Sales Specifications)