



Kimia Baspar Golpa

PPHR1080

HIPP+Rubber

General Information

● **Characteristic:** Excellent impact strength, Excellent low temperature toughness, Excellent Formability, easy coating, dimensional stability, good process ability, Weather Resistance

● **Application:** Exterior parts Bumper assembly, Bumper Fascia

Physical Property

Property	Test method	Test condition	Unit	Nominal Values
Mechanical Property				
Notched Izod impact	ASTM D256	23°C	KJ/m2	58
		-20 °c	KJ/m2	13
Hardness	ASTM D2240-05	23°C, 15sec	Shore D	56
**Scratch Resistance	ISO7724 Method A	10N	ΔL
Tensile stress at yield	ASTM D638	23°C , 50 mm/min	Mpa	17
Tensile strength at break			Mpa	15
Tensile modulus			Mpa	750
Elongation at Yield			%	8
Elongation at break			%	300
Flexural modulus	ASTM D790	23°C	Mpa	950
Flexural strength			Mpa	26
Flammability				
Flammability	UL94	½ inch (3.2 mm)	HB (<76mm/min)	HB
Thermal Property				
HDT(Heat Deflection Temperature)	ASTM D648	unannealed 1.82MPa	°C	51
		unannealed 0.455MPa	°C	80
Polymer property				
Melt flow index	ASTM D1238	230°C , 2.16kg	g/10min	10
Density	ASTM D792	23°C	g/cm3	0.905
Filler content	ASTM D5630-94	800°C	%	1
Mold shrinkage	ASTM D955	100*100*3.2 mm	%	1.3~1.6

1-The above data are typical values. they are only for material selection purpose, and variation within normal tolerances are for various colors.

typical values are not our specification and not be used for part or tool design.

2-all properties, except Melt Flow Index are measured on injection molded specimens and after 48 hour storage at 23°C and in RH of 50%..

**Scratch test on the ungrained and Black color surface with 3.2mm thickness.

www.kbgco.ir



Kimia Baspar Golpa

PPHR1080

HIPP+Rubber

Processing guid (Injection molding condition)

Processing parameters	unit	value	
Drying Temperature	°C	50~60	
Drying Time	hrs	2~3	
Moisture content	%	<0.1	
Melt Temperature	°C	200~220	
Cylinder Temperature	Reare	°C	200~210
	Middle	°C	200~220
	Front	°C	210~220
Nozzel Temperature	°C	210~230	
Mold Temperature	°C	25~50	
Back Pressure	kg/cm ²	150~500	
Screw Speed	rpm	30~60	

Note): Some modifications may be required depending on the specific molding equipment and part configuration.

www.kbgco.ir