



**Baspar Sazeh Toos**  
**Poly Bas 0160G**  
**Polypropylene Compound**

**Product Description**

Poly Bas 160G is a copolymer reinforced polypropylene compound .This grade is an extrusion grade.It has appropriate stiffness with high impact strength and high rigidity make Poly Bas 160G suitable for variety of applications in automotive industries especially in very low CLTE application.

Additive	.Anti UV
Process	. Extrusion /Blow Molding
Features	. Low CLTE
Color	.Black
Forms	. Pellets
Packaging	. 25kg PE bag

**Application**

Exterior automotive applications

Physical	Nominal Value Unit	Test Method
Melt Flow Index(230C , 2.16kg)	1.38g/10min	ISO 1133
Density	0.955g/cm <sup>3</sup>	ISO 1183
Hardness	61 Shore D	ISO 868

Mechanical	Nominal Value Unit	Test Method
<b>Tensile Stress</b>		ISO 527-2/1A/50,1996
Break	16MPa	
<b>Tensile Stress</b>		ISO 527-2/1A/50,1996
Peak	21MPa	

Impact	Nominal Value Unit	Test Method
<b>Charpy Unnotched Impact Strength</b>		
23°C	NO-Break	ISO 179-1

Automotive Tests	Requirements	Nominal Value Unit	Test Method
<b>Color fastness to rubbing</b>	dry a:5 b:5	dry a:5 b:5	D45 1010
	Teepol5% a:5 b:2	Teepol5% a:5 b:5	
	Ethanol a:4 b:2	Ethanol a:5 b:5	

<b>Shrinkage After Ageing</b>	MAX 0.25%	0.23%	D 45 1234
<b>Impact resistance -30°c</b>	No-Break	No-Break	D 421235
<b>Impact resistance 23°c</b>	No-Break	No-Break	D 421235
<b>XENO</b>	MIN 4G	OK	D 27 1389
<b>Tendency to Whitening in warm water</b>	MIN 4	OK	D 49 1561
<b>Resistance to ageing</b>	No- Change	OK	D 47 1309

## Process

As a guide the following temperature profile and other conditions are recommended

Zone 1	Zone 2	Zone 3	Zone 4	Die	Mold Temperature
180-190°c	190-200°c	200-210°c	200-210°c	210-220°c	50-70°c
Drying Temperature			Drying Time		
70-80°c			1-2 hr		