

HIGH IMPACT POLYSTYRENE (HIPS)

The high impact polystyrene (HIPS), 100% recyclable, is a resin which feedstock is the styrene monomer (SM), added with 5% to 15% of polybutadiene, with higher resistance and stretching capacity.

HIPS is developed in grades, different types for a number of applications.

				
Grade	MFI (g/10 min)	IZOD (J/m)	Applications	Download
825E	3,0	3,0	Excellent balance between rigidity and impact. it is recommended for the laminated plastic segment and by adding gpps , allows obtaining a wider interval with different levels of rigidity. Laminated plastics, packages, disposable items, handles, furniture items.	Anvisa Technical data sheet UI Product selection guide
R 940D	3,5	150	High chemical resistance (ESCR - Environmental Stress Cracking Resistance), allowing the reduction of thickness for applications in refrigeration. It has good mechanical and impact properties and it is used in internal boxes, refrigerators internal parts, packaging for fatty products and edge ribbons.	Anvisa Technical data sheet UI Product selection guide



Grade

MFI (g/10
min)

IZOD (J/m)



Applications



Download

R 870E

4

145

Excellent balance between rigidity and impact. it is recommended for the laminated plastic segment and by adding gpps , allows obtaining a wider interval with different levels of rigidity.

Laminated plastics, packages, disposable items, handles, furniture items.

[Anvisa](#)
[Eu 10/2011](#)
[Fda 21](#)

[Technical data sheet](#)
[Product selection guide](#)

R 970E

4

160

Uper high impact resistance and good rigidity. it is a robust grade recommended for applications in which mechanical properties are required.

[Anvisa](#)
[Eu 10/2011](#)
[Fda 21](#)
[Technical data sheet](#)
[Product selection guide](#)

825

5,5

110

Easy flow with a high degree of tenacity and rigidity. and the other hips. it is used in injected parts, home appliances, mainly in assisted gas injection.

Home appliances, civil engineering, school and office supplies,- cooling,toys, disposable items, household appliances.

[Anvisa](#)
[Technical data sheet](#)
[UI](#)
[Product selection guide](#)

R 350L G2

5,5

60

It is used in transparent disposable items, obtained by the process of extrusion and thermoforming. as it has an excellent gloss and does not need covering, it can be used in the co-extruder increasing productivity.

[Anvisa](#)
[Technical data sheet](#)
[Product selection guide](#)

RT 441M

6,5

115

Easy flow with a high degree of tenacity and rigidity. and the other hips. it is used in injected parts, home appliances, mainly in assisted gas injection.

Home appliances, civil engineering, school and office supplies,- cooling,toys, disposable items, household appliances.

[Technical data sheet](#)
[UI](#)
[Product selection guide](#)



[Material safety data sheet](#)