

**Technical Data Sheet**

**HIPS 6045**  
High Impact Polystyrene

HIPS-6045 gives excellent extrusion . also it can be use for injection molding.

**Applications:**

It use for wide range of injection molding applications, office ,kitchen and bathroom articles.  
It use for wide range of extrusion, food packaging as beverage cups, packaging for dairy products, for sheet, disposable dishware, toys , internal parts and housings of household.

PROPERTY	UNIT	VALUE	TEST METHOD
Physical			
Melt Floe Rate@(200°c & 5 kg load)	g/10 min	4	ASTM D-1238
Mechanical Properties			
Tensile Strength	MPA	24	ASTM D-638
Flexural modulus	MPA	1900	ASTM D-790
Charpy impact strength	KJ/m <sup>2</sup>	9.5	ASTM D-256
Thermal Properties			
Vicat softening point@120°c ,1 kg	°c	91	ASTM D-1525

Note: All mechanical properties measured under standard conditions 50% RH and 23C.

**Packing:**

HIPS-6045 is supplied in the form of cylindrical of approximately 2.5×2.5 mm. the material can be supplied in either 25 kg bags.