TECHNICAL DATA SHEET

Product Name: **Impact Copolymer**
Product Grade: **PPB-M09**

Product Description:

M09 is created by introducing ethylene-propylene rubber inside semi-crystalline PP homo-polymer matrix. It has high heat deformation temperature (HDT), good scratching resistance, good impact resistance at low temperature, good rigid-tough balance and good fluidity.

Physical Properties:

Typical performance index (Not Warranted Value)

Item	Unit	Quality Index	Typical Value
MFR	g/10 min	9.0 ± 2.0	9.06
Tensile Strength at Yield	MPa	≥ 24.0	24.9
Load Deformation Temperature	℃	≥ 60	79
Tensile Modulus	MPa	≥ 900	1200
Ash	%	≤ 0.030	0.017
Rockwell Hardness (R Scale)		≥ 70	98
Charpy Notched Impact Strength (23 ℃)	kJ/m^2	≥ 6.0	8.7
Charpy Notched Impact Strength (-20 ℃)	kJ/m^2	≥ 2.0	4.1

Product Characteristics:

- good rigid-tough balance and good fluidity
- high heat deformation temperature
- excellent impact resistance at low temperature
- great scratching resistance

Manufacturer:

Sinopec Zhenhai Refinery

Typical Applications:

PP impact copolymer is widely used in the production of industrial products, such as dashboard, auto interior decorations and tanks. It can also be used to make household articles, bags and various packaging containers.

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