

Technical Data Sheet

P26MB-C60-4062

Polypropylene Filled with Mineral Powder

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

P26MB-C60-4062 is polypropylene filled with 26% mineral powder offering appropriate balance of impact strength and stiffness, UV resistance, good thermal and chemical resistance. This compound is used in home appliance parts and other utility products. This grade is designed to be processed in conventional injection molding process.

General Properties

Material Status	•Commercial: Active
Forms	•Pellets
Processing Method	•Injection molding
Color	•Black - Ralul
UV Stabilization	•Yes

Physical Properties	Value	Unit	Test Method
Density	1.1	gr/cm ³	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	22	gr/10 min	ASTM D1238
Shrinkage	....	%	ASTM D955

Mechanical Properties	Value	Unit	Test Method
Tensile Strength @ Yield	24	MPa	ISO 527
Elongation @ Yield	6	%	ISO 527
Flexural Modulus	2000	MPa	ASTM D790

Impact	Value	Unit	Test Method
Unnotched Charpy Impact (23°C)	....	kJ/m ²	ISO 179
Notched Charpy Impact (23°C)	4	kJ/m ²	ISO 179
Notched Charpy Impact (-20°C)	....	kJ/m ²	ISO 179

Hardness	Value	Unit	Test Method
Durometer Hardness	67	Shore D	ASTM D2240

Thermal Properties	Value	Unit	Test
Heat Deflection Temperature (0.45 Mpa)	105	°C	ISO 75
Heat Deflection Temperature (1.8 Mpa)	....	°C	ISO 75

❖ Values shown are average & are not to be considered as product specifications.

Web-site: www.npolymer.com

Address: Abbas abad Industrial Zone-Tehran-Iran

E-mail: Sales@npolymer.com

Tel: (+9821)35000234 Fax: (+9821)43850755