

Provisional Technical Datasheet

5080MG



PP - Impact Copolymer 5080MG for Moulding Applications

Product Description :

PP Impact Copolymer 5080MG is produced by latest Spheripol II Technology. This Grade is having medium flow with very good processability and it has super impact characteristics and shows high impact strength even at low temperature

Applications :

PP Impact Copolymer 5080MG is recommended for injection moulding of Thin Wall Components (TWIM), Automotive Components, Industrial Components and as a Impact modifier in PP compounds

Typical Properties

Sr. No.	Properties	Test Method	Units	Values*
1	Melt Flow Index (230°C & 2.16 kg)	ASTM D1238	g / 10 min	8
2	Tensile Strength @ Yield (50mm / min)	ASTM D638	MPa	19
3	Elongation @ Yield (50mm / min)	ASTM D638	%	6
4	Flexural Modulus	ASTM D790	MPa	850
5	Notch Izod Impact Strength (23°C)	ASTM D256	J/m	>500
6	Vicat Softening Point (10N)	ASTM D1525	°C	135
7	Heat Deflection Temperature (0.46N/m2)	ASTM D648	°C	75

* All Mechanical Properties as per ASTM D638 Type I Injection moulded specimen Prepared in accordance with ASTM D 4101

* Typical Values and not to be taken as specifications

Regulatory Requirements:

PP Impact Copolymer 5080MG shall meet the requirements stipulated in IS 10910 on 'Specification for Polypropylene and its Copolymers for safe use in contact with Foodstuff, Pharmaceutical & Drinking water'. The grade and Additives incorporated in this grade shall meet the positive list of constituents as prescribed in IS 10909. The Grade and the additives incorporated in it will also comply with the FDA:CFR Title 21,177.1520, Olefin Polymers

Storage & Handling:

Prevent PP Material from direct exposure to sunlight & heat to avoid quality deterioration. The storage location should be dry, dust free and the Storage temperature should not exceed 50°C. Non - compliance to these precautionary measures can lead to degradation of the product causing Color changes, Odor & inadequate product performance.

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