POLYMERS

## C080MT <br> IMPACT COPOLYMER <br> FOR INJECTION MOULDED PRODUCTS

Repol C080MT is recommended for use in Injection Moulding processes where high impact strength is required. It is an ideal material to use in making battery containers, automotive and industrial products. Repol C080MT contains long term heat stabiliser as required for under-the-hood applications in automotive.

| Typical Characteristics |  |  |  |
| :--- | :--- | :--- | :--- |
| Property | Test Method | Unit | Typical Value* |
| Melt Flow Rate $\left(230^{\circ} \mathrm{C} / 2.16 \mathrm{~kg}\right)$ | ASTM DI238 | $\mathrm{g} / \mathrm{IO} \mathrm{min}$ | $\mathbf{1 1}$ |
| Tensile Strength at Yield $(50 \mathrm{~mm} / \mathrm{min})$ | ASTM D638 | MPa | 23 |
| Elongation at Yield $(50 \mathrm{~mm} / \mathrm{min})$ | ASTM D638 | $\%$ | $\mathbf{7}$ |
| Flexural Modulus $(1 \%$ secant $)$ | ASTM D790A | MPa | $\mathbf{1 0 5 0}$ |
| Notched Izod Impact Strength $\left(23^{\circ} \mathrm{C}\right)$ | ASTM D256 | $\mathrm{J} / \mathrm{m}$ | $\mathbf{1 0 0}$ |
| Heat Deflection Temperature $(455 \mathrm{kPa})$ | ASTM D648 | ${ }^{\circ} \mathrm{C}$ | $\mathbf{1 0 0}$ |

* Typical values, not to be taken as specification. All the mechanical properties as per ASTM D638 Type I specimen injection moulded in accordance with ASTM D4IOI


## Applications

Batteries, automotive

## Regulatory Information

- Meets the requirements stipulated in IS 10910 on 'Specification for Polypropylene and its Copolymers for safe use in contact with foodstuff, pharmaceuticals, and drinking water'. Additives incorporated in this grade conform to the positive list of constituents as prescribed in IS 10909. The grade and the additives incorporated in it also comply with the FDA:CFR Title 21,177.1520, Olefin polymers


## Storage Recommendations

- Bags should be stored in dry/closed conditions at temperatures below $50^{\circ} \mathrm{C}$ and protected from UV / direct sunlight

[^0]- The information and data presented herein is true and accurate to the best of our knowledge. No warranty or guarantee expressed or implied, is made regarding performance or otherwise. This information and data may not be considered as a suggestion to use our products without taking into account existing patents, or legal provisions or regulations, whether national or international. • The user of any information and/or data is advised to obtain the latest details from any of the offices of the company or its authorised agents, as the information and/or data is subject to change based on the research and development work undertaken by the company.


[^0]:    Reliance Industries Limited, Product - Application \& Technology Group, PRTC
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