



LUCOBIT
THERMOPLASTIC POLYOLEFINS



Injection Moulding



Compounding



Blown & Cast films



Blown & Cast films



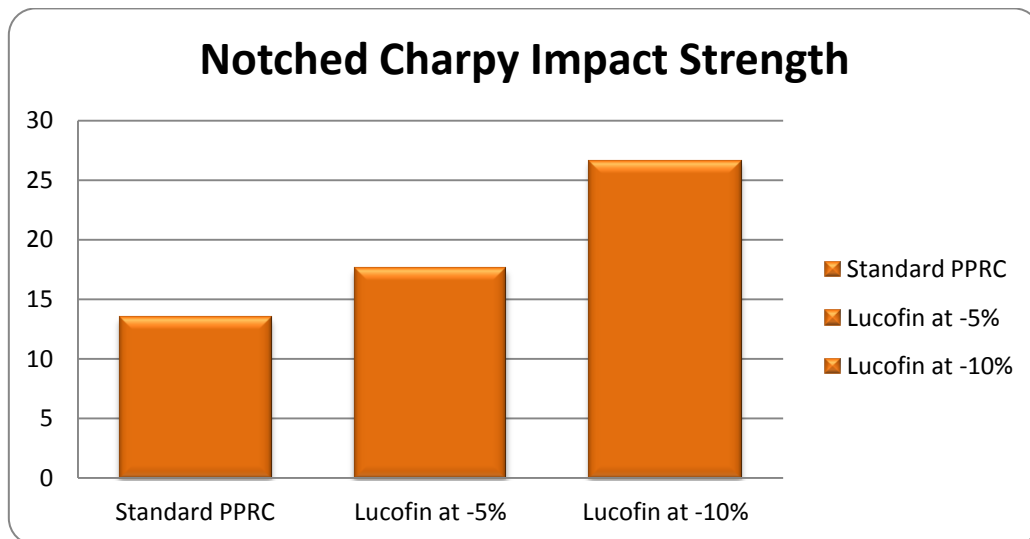
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Improving Impact

For Polypropylene and Polyethylene application by adding Lucofin 1400MN at a ratio of 5-15% the impact properties can be increased by up to 100%. At this addition rate the clarity of a Random Co-Polymer are not affected. By adding Lucofin the low temperature impact properties are also significantly improved, which is an advantage for thin walled containers and boxes. Specific grafted grades are available which are suitable for impact modifying Nylons and other polar resins.



Compatibility with other polymers

In addition to improving impact Lucofin also bonds and compatibles normally incompatible polymers. For example: Adding 10% Lucofin with PPCO contaminated with HDPE will prevent lamination. This is particularly good in re grind or reprocessed materials where low strength is an issue.

Over Moulding/Co-moulding

Due to the polarity of Lucofin it is suitable for over moulding applications where a chemical bond and soft touch feel is required.



Improving flexibility and ductility to eliminate stress whitening

Adding Lucofin to Polypropylene will reduce the effect of stress whitening and environmental stress cracking. The Lucofin increases the flexural properties of the polymer when added at 15%.

Flexible Polymer

Lucofin is used to produce many injection moulded articles; its low density at 0.92 makes it very cost effective against Shore A 75-90 TPEs and with enhanced thermal properties Lucofin is a good alternative to EVA.

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Processing

Lucofin can be used on conventional standard processing equipment with melt temperatures ranging from 180C – 280C.

