

Icorene grade 1490 - Super high flow LMDPE powder, specifically designed for rotomolding applications

Exceptional pinhole-free processing, excellent impact resistance and ESCR



Icorene 1490 is a new generation hexene based medium density (LMDPE) polyethylene. This unique grade has excellent ESCR (Environmental Stress Crack Resistance) and achieves at ultra low PIAT (Peak Internal Air Temperature) a pinhole-free surface.

With superior performance in ARM impact resistance @-40°C, even at low PIAT of 150-170°C, *Icorene* 1490 is unique in having the broadest processing window while maintaining 100% ductility.

Icorene 1490 is fully UV stabilized and is such a versatile grade that it can be used in many different applications, especially where shorter oven times are desired.

A perfect example of a challenging application for this *Icorene* 1490 powder grade is industrial floor cleaning machines. These require a high meltflow but also high stress crack resistance, high impact strength and no surface pinholes.

Another application that benefits is outdoor furniture where rotomolders need a pinhole-free surface finish, toughness and wide processing window.

Features

- Hexene based material
- Very wide processing window with excellent mechanical properties
- Shorter oven times, reducing carbon footprint
- Good surface finish with no pinholes
- Excellent ESCR BTT and FNCT
- Ultra low PIAT possible
- High impact resistance at -40°C
- Easy processing
- Low shrinkage
- Fully UV- and heat-stabilized
- Available in color compounds

Specific applications



Cleaning machine



Furniture



Industrial tanks



Sports



Leisure



Toys



Decoration items



Technical parts



Flower pots

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