

Rigidex® HD5450UA

High Density Polyethylene Copolymer

INEOS Olefins & Polymers Europe

Message:

Rigidex® HD5450UA is an ultra-violet light stabilised high density polyethylene copolymer grade. It has a narrow molecular weight distribution and has been specially developed for injection moulding of heavy duty articles for outdoor use.

High rigidity

High impact resistance, especially at low temperatures

Good processing

Very good weathering resistance

Applications

Large dustbins and pails

Pallet boxes

Technical parts

| General Information | | | |
|---|-----------------------------------|-------------------|--------------------|
| Additive | UV Stabilizer | | |
| Features | Copolymer | | |
| | Good Processability | | |
| | Good UV Resistance | | |
| | Good Weather Resistance | | |
| | High Density | | |
| | High Impact Resistance | | |
| | High Rigidity | | |
| | Low Temperature Impact Resistance | | |
| Narrow Molecular Weight Distribution | | | |
| Uses | Outdoor Applications | | |
| | Pails | | |
| | Pallets | | |
| RoHS Compliance | Contact Manufacturer | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.954 | g/cm ³ | ISO 1183, ISO 1872 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 4.7 | g/10 min | ISO 1133 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus (23°C) | 1100 | MPa | ISO 527-2 |
| Tensile Stress (Yield) | 26.0 | MPa | ISO 527-2 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength | 5.0 | kJ/m ² | ISO 179/A |

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