Surlyn[®] PC-2200

DuPont Packaging & Industrial Polymers - Ethylene Acrylic Acid Copolymer

General Information

Product Description

DuPont[™] Surlyn[®] PC-2200 is an ionomer of ethylene acid copolymer.

The resin can be processed via injection molding equipment designed to process polyethylene and ethylene copolymer type resins.

| Material Status | Experimental: Active | | |
|-------------------|---|--|------------------------------------|
| Availability | Africa & Middle East Asia Pacific | EuropeLatin America | North America |
| Features | Copolymer | Food Contact Acceptable | Sodium Ionomer |
| gency Ratings | • FDA 21 CFR 177.1330(a) | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |

| ASTM & ISO Properties ¹ | | | | |
|---|---------------|----------|-------------|--|
| Physical | Nominal Value | Unit | Test Method | |
| Density / Specific Gravity | 0.972 | | ASTM D792 | |
| Density | 0.970 | g/cm³ | ISO 1183 | |
| Melt Mass-Flow Rate (190°C/2.16 kg) | 12 | g/10 min | ASTM D1238 | |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 12 | g/10 min | ISO 1133 | |
| Ion Type | Sodium | | | |
| Thermal | Nominal Value | Unit | Test Method | |
| Vicat Softening Temperature | 124 | °F | ASTM D1525 | |
| Vicat Softening Temperature | 124 | °F | ISO 306 | |
| Peak Melting Temperature | 181 | °F | ASTM D3418 | |
| Melting Temperature (DSC) | 181 | °F | ISO 3146 | |
| Additional Information | Nominal Value | Unit | | |
| Maximum Processing Temperature | 545 | °F | | |

| Processing Information | | | |
|------------------------|--------------------|--|--|
| Injection | Nominal Value Unit | | |
| Processing (Melt) Temp | 320 to 500 °F | | |

Notes

¹ Typical properties: these are not to be construed as specifications.



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