

Exxtra™ Soft EMA6022 Molding

Ethylene Methyl Acrylate Copolymer

Product Description

Exxtra™ Soft EMA6022 is an ethylene methyl acrylate copolymer that can be used as an impact modifier or compatibilizer in polymer compounds. It produces a soft, elastic film with good handling characteristics without additional additives. Exxtra™ Soft EMA6022 has been processed on typical LDPE compounding equipment at temperatures up to 625°F.

General

| | | | |
|---------------------------|---|---|---------------------------|
| Availability ¹ | ▪ Latin America | ▪ North America | |
| Additive | ▪ Antiblock: No | ▪ Slip: No | ▪ Thermal Stabilizer: Yes |
| Applications | ▪ Compatibilizer ▪ Engineering thermoplastic impact modifier ▪ Hot Melt Adhesives | ▪ Injection Molding ▪ Masterbatch Base Resin ▪ Soft, molded parts | ▪ Sound Deadening Foam |
| Revision Date | ▪ 01/22/2019 | | |

| Resin Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|----------------------------|-------------------------|-------------------------|-------------------|
| Density | 0.943 g/cm ³ | 0.943 g/cm ³ | ASTM D1505 |
| Melt Index (190°C/2.16 kg) | 6.0 g/10 min | 6.0 g/10 min | ASTM D1238 |
| Methyl Acrylate Content | 21.5 wt% | 21.5 wt% | ExxonMobil Method |
| Peak Melting Temperature | 174 °F | 79 °C | ExxonMobil Method |

| Thermal | Typical Value (English) | Typical Value (SI) | Test Based On |
|-----------------------------|-------------------------|--------------------|---------------|
| Vicat Softening Temperature | 120 °F | 49 °C | ASTM D1525 |

| Molded Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|------------------------------|-------------------------|--------------------|---------------|
| Tensile Strength at Break | 990 psi | 6.8 MPa | ASTM D638 |
| Elongation at Break | > 500 % | > 500 % | ASTM D638 |
| Flexural Modulus - 1% Secant | 5100 psi | 35 MPa | ASTM D790 |
| Durometer Hardness | | | ASTM D2240 |
| Shore A, 15 sec | 84 | 84 | |
| Shore D, 15 sec | 25 | 25 | |

| Impact | Typical Value (English) | Typical Value (SI) | Test Based On |
|--------------------------|-------------------------|--------------------|---------------|
| Instrumented Dart Impact | | | ASTM D3763 |
| -40°F (-40°C) | 17 ft·lb | 23 J | |
| 73°F (23°C) | 14 ft·lb | 18 J | |

Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

This product is not intended for use in medical applications and should not be used in any such applications.

Processing Statement

The test specimens were prepared using ASTM D4703, Procedure C.

Notes

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

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

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