

# Optix® CA-41 HF

Polymethyl Methacrylate Acrylic  
Plaskolite, Inc.

Message:

Optix® CA-41 HF is a polymethyl methacrylate-acrylic material. This product is available in North America or Europe.

| General Information                                     |               |          |             |
|---------------------------------------------------------|---------------|----------|-------------|
| Physical                                                | Nominal Value | Unit     | Test Method |
| Melt Mass-Flow Rate (MFR)                               | 34            | g/10 min | ASTM D1238  |
| Molding Shrinkage - Flow                                | 0.20 - 0.60   | %        | ASTM D955   |
| Hardness                                                | Nominal Value | Unit     | Test Method |
| Rockwell Hardness (M-Scale)                             | 74            |          | ASTM D785   |
| Mechanical                                              | Nominal Value | Unit     | Test Method |
| Tensile Modulus                                         | 2730          | MPa      | ASTM D638   |
| Tensile Strength                                        | 54.3          | MPa      | ASTM D638   |
| Tensile Elongation (Break)                              | 2.4           | %        | ASTM D638   |
| Flexural Strength                                       | 76.2          | MPa      | ASTM D790   |
| Impact                                                  | Nominal Value | Unit     | Test Method |
| Notched Izod Impact                                     | 16            | J/m      | ASTM D256   |
| Dart Drop Impact <sup>1</sup> (3.18 mm)                 | 0.226         | J        | ASTM D5420  |
| Thermal                                                 | Nominal Value | Unit     | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 71.1          | °C       | ASTM D648   |
| Vicat Softening Temperature                             | 88.9          | °C       | ASTM D1525  |
| CLTE - Flow (-30 to 30°C)                               | 6.0E-5        | cm/cm/°C | ASTM D696   |
| NOTE                                                    |               |          |             |

1. Geometry GB

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
Phone: +86 13424755533  
Email: sales@su-jiao.com  
No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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