

# DELPET™ SRB235

Polymethyl Methacrylate Acrylic  
Asahi Kasei Chemicals Corporation

Message:

DELPET™ SRB235 is a Polymethyl Methacrylate Acrylic product. It is available in Africa & Middle East, Asia Pacific, or Europe. Primary characteristic: impact resistant.

| General Information                          |                        |          |                 |
|----------------------------------------------|------------------------|----------|-----------------|
| Features                                     | High Impact Resistance |          |                 |
| Forms                                        | Pellets                |          |                 |
| Physical                                     | Nominal Value          | Unit     | Test Method     |
| Density                                      | 1.17                   | g/cm³    | ISO 1183        |
| Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)     | 1.6                    | g/10 min | ISO 1133        |
| Spiral Flow                                  | 26.0                   | cm       | Internal Method |
| Molding Shrinkage                            | 0.30 to 0.80           | %        | Internal Method |
| Water Absorption (Equilibrium, 23°C, 50% RH) | 0.30                   | %        | ISO 62          |
| Hardness                                     | Nominal Value          | Unit     | Test Method     |
| Rockwell Hardness (M-Scale)                  | 74                     |          | ISO 2039-2      |
| Mechanical                                   | Nominal Value          | Unit     | Test Method     |
| Tensile Modulus                              | 2400                   | MPa      | ISO 527-2/1A/1  |
| Tensile Stress (Break)                       | 55.0                   | MPa      | ISO 527-2/1A/5  |
| Tensile Strain (Break)                       | 35                     | %        | ISO 527-2/1A/5  |
| Flexural Modulus                             | 2400                   | MPa      | ISO 178         |
| Flexural Stress                              | 95.0                   | MPa      | ISO 178         |
| Impact                                       | Nominal Value          | Unit     | Test Method     |
| Charpy Notched Impact Strength               | 3.6                    | kJ/m²    | ISO 179/1eA     |
| Charpy Unnotched Impact Strength             | 65                     | kJ/m²    | ISO 179/1eU     |
| Thermal                                      | Nominal Value          | Unit     | Test Method     |
| Vicat Softening Temperature                  | 102                    | °C       | ISO 306/B50     |
| Heat Deflection Temperature                  | 97                     | °C       | ISO 75-2        |
| Optical                                      | Nominal Value          | Unit     | Test Method     |
| Refractive Index                             | 1.490                  |          | ISO 489         |
| Transmittance (Total)                        | 92.0                   | %        | ISO 13468-1     |

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