

TEREZ PMMA 5605 SZ

Polymethyl Methacrylate Acrylic

TER HELL PLASTIC GMBH

Message:

Impact modified PMMA with high breaking strength, very good weathering resistance, improved resistance to stress cracking, high surface hardness and scratch resistance.

Suitable for extrusion and coextrusion of profiles and boards, as well as injection moulding of moulded parts.

| General Information | |
|---------------------|----------------------------------|
| Additive | Impact Modifier |
| Features | Good Weather Resistance |
| | High ESCR (Stress Crack Resist.) |
| | High Hardness |
| | Impact Modified |
| | Scratch Resistant |
| Uses | Profiles |
| Processing Method | Coextrusion |
| | Extrusion |
| | Injection Molding |

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|----------|-------------|
| Density | 1.17 | g/cm³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/3.8 kg) | 3.3 | g/10 min | ISO 1133 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 2400 | MPa | ISO 527-2 |
| Tensile Stress (Yield) | 62.0 | MPa | ISO 527-2 |
| Tensile Strain | | | ISO 527-2 |
| Yield | 4.5 | % | |
| Break | 27 | % | |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Unnotched Impact Strength (23°C) | 50 | kJ/m² | ISO 179/1eU |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature | | | |
| 0.45 MPa, Unannealed | 98.0 | °C | ISO 75-2/B |
| 1.8 MPa, Unannealed | 93.0 | °C | ISO 75-2/A |
| Vicat Softening Temperature | 100 | °C | ISO 306/B50 |

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