

Westlake PVC 8253

Westlake Chemical Corporation - Rigid Polyvinyl Chloride

Friday, September 20, 2019

General Information

General

| | |
|-------------------|----------------------|
| Material Status | • Commercial: Active |
| Availability | • North America |
| Uses | • Sheet |
| Processing Method | • Sheet Extrusion |

ASTM & ISO Properties¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|-------------------|-------------|
| Density / Specific Gravity | 1.33 | g/cm ³ | ASTM D792 |
| PVC Cell Classification | 16343 | | ASTM D1784 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 2810 | MPa | ASTM D638 |
| Tensile Strength (Yield) | 43.1 | MPa | ASTM D638 |
| Flexural Modulus | 2390 | MPa | ASTM D790 |
| Flexural Strength | 71.7 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (3.18 mm) | 1100 | J/m | ASTM D256 |
| Tensile Impact Strength | 143 | kJ/m ² | ASTM D1822 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 78 | | ASTM D785 |
| Durometer Hardness (Shore D) | 77 | | ASTM D2240 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load 1.8 MPa, Unannealed | 65.0 | °C | ASTM D648 |
| Deflection Temperature Under Load (1.8 MPa, Annealed) | 71.1 | °C | ASTM D648 |

Processing Information

| Injection | Nominal Value | Unit |
|------------------------|---------------|------|
| Processing (Melt) Temp | 188 | °C |

Notes

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