

Technical Data Sheet

Hostacom TRC 427D 303612



Polypropylene Compounds

Product Description

Hostacom TRC 427D 303612 is a mineral filled elastomer modified PP with high melt flow rate.

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|--------------------------|--------------------------|
| Application | White Goods |
| Market | Electrical / Electronics |
| Processing Method | Injection Molding |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---------------|-------------------------|---------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 16 | g/10 min | ISO 1133-1 |
| Melt Volume Flow Rate, (230 °C/2.16 kg) | 15 | cm ³ /10 min | ISO 1133-1 |
| Density, (23 °C) | 1.13 | g/cm ³ | ISO 1183-1/A |
| Mechanical | | | |
| Flexural Modulus, (23 °C, Tech. A) | 1900 | MPa | ISO 178/A1 |
| Tensile Modulus, (23 °C) | 1850 | MPa | ISO 527-1, -2 |
| Tensile Stress at Yield, (23 °C) | 21 | MPa | ISO 527-1, -2 |
| Tensile Strain at Yield, (23 °C) | 5.5 | % | ISO 527-1, -2 |
| Impact | | | |
| Charpy Impact Strength - Notched | | | |
| (23 °C) | 20 | kJ/m ² | ISO 179-1/1eA |
| (0 °C) | 4.5 | kJ/m ² | ISO 179-1/1eA |
| Charpy Impact Strength - Unnotched | | | |
| (23 °C) | >100 | kJ/m ² | ISO 179-1/1eU |
| (0 °C) | 45 | kJ/m ² | ISO 179-1/1eU |
| Thermal | | | |
| Vicat Softening Temperature, (B50) | 50 | °C | ISO 306 |
| Deflection Temperature Under Load | | | |
| (0.45 MPa, Unannealed) | 95 | °C | ISO 75B-1, -2 |
| (1.80 MPa, Unannealed) | 50 | °C | ISO 75A-1, -2 |