

PolyOne Maxxam™ PP CS 75 Polypropylene, Unspecified (PP, Unspecified)

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

PolyOne's Maxxam™ family of polypropylene- and polyethylene-based products covers a wide range of applications, markets and performance requirements. Standard grades are compounded with calcium carbonate, glass and talc to provide a desired balance of properties including stiffness, durability, impact resistance and heat resistance. Custom grades are available with features such as UV stabilizers, heat stabilizers, custom color, high impact, etc. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Maxxam-PP-CS-75-Polypropylene-Unspecified-PP-Unspecified.php

| Physical Properties | Metric | English | Comments |
|-----------------------------|--|--|-------------------------|
| Specific Gravity | 0.900 g/cc | 0.900 g/cc | ASTM D792 |
| Linear Mold Shrinkage, Flow | 0.015 - 0.020 cm/cm | 0.015 - 0.020 in/in | ASTM D955 |
| Melt Flow | 2.7 - 6.4 g/10 min @Load 2.16 kg, Temperature 230 °C | 2.7 - 6.4 g/10 min @Load 4.76 lb, Temperature 446 °F | Procedure A; ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|--|---|------------------------------|
| Hardness, Rockwell R | 88 | 88 | ASTM D785 |
| Tensile Strength, Yield | 34.5 MPa | 5000 psi | Type I, 51 mm/min; ASTM D638 |
| Elongation at Break | 10 % | 10 % | Type I, 51 mm/min; ASTM D638 |
| Flexural Modulus | 1.45 GPa | 210 ksi | ASTM D790 |
| Izod Impact, Notched | 0.210 J/cm @Thickness 3.18 mm, Temperature 23.0 °C | 0.393 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F | Injection Molded; ASTM D256A |

| Thermal Properties | Metric | English | Comments |
|---|-------------------------------|-------------------------------|-----------------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 92.2 °C @Thickness 3.18 mm | 198 °F @Thickness 0.125 in | Unannealed; ASTM D648 |
| UL RTI, Electrical | 105 °C | 221 °F | UL 746 |
| UL RTI, Mechanical with Impact | 105 °C | 221 °F | UL 746 |
| UL RTI, Mechanical without Impact | 105 °C | 221 °F | UL 746 |
| Flammability, UL94 | HB @Thickness 1.50 mm | HB @Thickness 0.0591 in | NC; UL 94 |

| Thermal Properties | Metric | English | Comments |
|-----------------------|----------------|---------------|----------|
| Processing Properties | Metric | English | Comments |
| Mold Temperature | 16.0 - 50.0 °C | 60.8 - 122 °F | |

| Descriptive Properties | Value | Comments |
|------------------------|--|----------|
| Additive | Heat Stabilizer | |
| Features | Heat Stabilized | |
| | Medium Flow | |
| Forms | Pellets | |
| Generic Material | PP, Unspecified | |
| Generic Name | Polypropylene, Unspecified (PP, Unspecified) | |
| Regional Availability | Africa & Middle East | |
| | Asia Pacific | |
| | Europe | |
| | North America | |
| | South America | |

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