

**Total Finathene® CD 522 HDPE corrugated pipe resin (discontinued \*\*)**

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Pipe Grade

**Material Notes:**

Applications: corrugated pipe, storm and sanitary sewers, drainage systems  
 Information provided provided by Total Petrochemicals. Total Petrochemicals includes former Fina and Atofina plastics product lines.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Total-Finathene-CD-522-HDPE-corrugated-pipe-resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Total-Finathene-CD-522-HDPE-corrugated-pipe-resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in <sup>3</sup>	ASTM D 792
Environmental Stress Crack Resistance	100 hour	100 hour	ASTM D1697 cond. B 10% Igepal
	600 hour	600 hour	ASTM D1697 cond. B 100% Igepal
Melt Flow	0.25 g/10 min	0.25 g/10 min	ASTM D 1238
	@Load 2.16 kg	@Load 4.76 lb	
High Load Melt Index	20 g/10 min	20 g/10 min	ASTM D 1238
	@Load 21.6 kg	@Load 47.6 lb	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	>= 26.2 MPa	>= 3800 psi	ASTM D 638 type IV
Elongation at Break	>= 600 %	>= 600 %	ASTM D 638 type IV
Flexural Modulus	1.31 GPa	190 ksi	ASTM D 790
Izod Impact, Notched	2.14 J/cm	4.00 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	
Tensile Load, Notched Constant	>= 24.0 hour	>= 24.0 hour	15% yield strength; ASTM D 5397

Thermal Properties	Metric	English	Comments
Melting Point	128 °C	263 °F	ASTM D3417

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