

# CP52-35 Polyethylene Copolymer

CP52-35 is a high density polyethylene copolymer specially developed for large diameter corrugated piping applications. This product is recommended for use in applications that are required to meet AASHTO specifications M 294/MP 7. CP52-35 conforms to ASTM D3350 cell classification 436530A.

## Typical Properties<sup>1</sup>

	Values		ASTM Method
	English Units	SI Units	
Density	-	0.952 g/cc	D 4883
Melt Index <sup>2</sup>	-	0.35 g/10 min	D 1238
Tensile Strength			
@ Yield (2 in/min)	3,900 psi	26.9 MPa	
@ Break (2 in/min)	4,000 psi	27.6 MPa	D 638
Elongation			
@ Yield (2 in/min)	-	9.0 %	
@ Break (2 in/min)	-	850 %	D 638
Flexural Modulus <sup>3</sup>	168,000 psi	1,158 MPa	D 790
SP-NCLS ESCR	-	>24 hrs	F 2136
Hardness (Shore D)	-	64	D 2240
Brittleness Temperature	≤-103 °F	≤-75 °C	D 746

<sup>1</sup> Typical properties will vary within specification limits.

<sup>2</sup> 190° C/2160 g

<sup>3</sup> Tangent-Method

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2600 South Shore Boulevard  
Suite 500  
League City, TX 77573  
Tel: 281-535-6600

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## Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, send an e-mail to: [opmsds@ineos.com](mailto:opmsds@ineos.com).

## Health and Safety Information

The product described herein may require precautions in handling and use because of toxicity, flammability, or other consideration. The available product health and safety information for this material is contained in the Material Safety Data Sheet (MSDS) that may be obtained by calling +1-888-260-6737 (Toll Free-North America), or by sending an e-mail to: [opmsds@ineos.com](mailto:opmsds@ineos.com). Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

The Material Safety Data Sheet for this product contains shipping descriptions and should be consulted, before transportation, as a reference in determining the proper shipping description. If the material shipped by Innovene is altered or modified, different shipping descriptions may apply and the MSDS of the original material should not be used.

For additional information, samples, pricing and availability, please contact:

### ***INEOS Olefins & Polymers, USA***

Marina View Building  
2600 South Shore Boulevard  
Suite 500  
League City, Texas 77573  
Phone: +1 281 535 6600  
Fax: +1 281 535 6764  
Customer Service: +1 800 527 5419  
Tech Service: +1 800 338 0489  
[www.ineos-op.com](http://www.ineos-op.com)

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