



K44-24-122 Polyethylene Copolymer

K44-24-122 is a natural high density polyethylene copolymer designed specifically for pipe coating and extrusion. It complies with the virgin polyethylene resin requirements in CSA Z245-21.

Typical Properties¹

Resin	Values		ASTM
	English Units	SI Units	Method
Density	—	0.944 g/cc	D4883
Melt Index 190°C/2.16 kg	—	0.35 g/10 min	D1238
Melt Index 190°C/ 21.6 kg	—	30 g/10 min	D1238
Compression Molded Sample			
Tensile Strength (2 in/min)			D638
@ Yield	3,000 psi	21.8 MPa	
@ Break	4,500 psi	31.0 MPa	
Elongation (2 in/min)			D638
@ Yield	10.9 %	10.9 %	
@ Break	>700%	>700%	
Flexural Modulus			D790A
2% Secant Method	115,000 psi	793 MPa	
Notched Izod Impact Strength	10 ft-lbf/in	52.6 kJ/m ²	D256
Hardness			D2240
Shore D	65	65	
Vicat Softening Point	250 F	121 C	D1525
Brittleness Temperature	<-180 F	<-118 C	D746
Environmental Stress Crack Resistance			D1693
Condition B, 100% Igepal, F50 (hrs.)	>1,000	>1,000	
Notched Tensile (PENT)	>10 hrs.	>10 hrs.	F1473
Oxidation Induction Time @ 220°C	>10 min	>10 min	D3895
Thermal Stability	>428 F	>220 C	D3350
Cell Classification	335440A	335440A	D3350

¹ Typical properties will vary and are not to be used for specification purposes.

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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, call + 1-800-527-5419.

Health and Safety Information

The product described herein may require precautions in handling and use because of toxicity, flammability, or other consideration. The Material Safety Data Sheet (MSDS) contains the available product health and safety information for this material and can be found at www.ineos-op.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 INEOS 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:

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