INEOS
Olefins & Polymers USA

K44-15-122

POLYETHYLENE COPOLYMER

TECHNICAL DATASHEET

Product Description

K44-15-122 is a natural HDPE grade designed for extrusion of pressure pipe and tubing for irrigation, mining and industrial applications. When blended with an INEOS-approved black masterbatch, the resulting formulation[1] is listed in PPI TR-4 as a PE3608 material and is certified to NSF/ANSI Standard 14 and CSA Standard B137.1.

Typical Properties[2]

Property	English Units	SI Units	ASTM Method
Resin			
Density		0.944 g/cc	D4883
Melt Index (190°C/2.16 kg)		<0.15 g/10 min	D1238
Melt Index (190°C/21.6 kg)		12.5 g/10 min	D1238
Compression Molded Specimens			
Tensile Stress @ Yield	3,000 psi	21 MPa	D638
Tensile Elongation @ Break	>800 %	>800 %	D638
Flexural Modulus, 2% Secant Method	109,000 psi	752 MPa	D790A
Brittleness Temperature	<-180 °F	<-118 °C	D746
Notch Tensile (PENT)	>100 hrs	>100 hrs	F1473
Cell Classification	345464C[3]	345464C[3]	D3350

[1] Under compound name K44-15-123
[2] 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, please refer to the Regulatory Position Statement (RPS) online at www.ineos-op.com, or 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 Safety Data Sheet (SDS) 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 SDS for the product under consideration for use.

The 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 O&P is altered or modified, different shipping descriptions may apply and the SDS of the original material should not be used.

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