INEOS
Olefins & Polymers USA

K44-24-122

POLYETHYLENE COPOLYMER

TECHNICAL DATASHEET

Product Description

K44-24-122 is a natural HDPE grade designed for pipe coating and general extruded profiles. It complies with the virgin polyethylene resin requirements of CSA Z245.

Typical Properties[1]

Property	English Units	SI Units	ASTM Method
Resin			
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 Specimens			
Tensile Stress @ Yield	3,000 psi	21 MPa	D638
Tensile Elongation @ Break	>700% %	>700% %	D638
Flexural Modulus, 2% Secant Method	115,000 psi	793 MPa	D790A
Notched Izod Impact Strength	10 ft-lb$_f$/in	534 J/m	D256
Hardness, Shore D	65	65	D2240
Vicat Softening Point	250 °F	121 °C	D1525
Brittleness Temperature	<-180 °F	<-118 °C	D746
ESCR Condition B, 100% Igepal, F50	>1000 hrs	>1000 hrs	D1693
OIT @ 220°C	>10 min	>10 min	D3895
Cell Classification	335440A	335440A	D3350

[1] Typical property values will vary and are not to be used as specification limits.

Contact us:
+1 800 338 0489
rcspolymers@ineos.com
www.ineos-op.com

Manufacturer website: https://www.ineos.com/businesses/ineos-olefins-polymers/

INEOS
Olefins & Polymers USA

K44-24-122

POLYETHYLENE COPOLYMER

TECHNICAL DATASHEET

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.

All information contained herein, whether technical or otherwise, is furnished without charge or obligation and is given and accepted at recipient's sole risk. As conditions of use may vary and are beyond the control of INEOS Olefins & Polymers USA, no representations or warranties, express or implied, are made with respect to the accuracy, reliability, or completeness of this information. This information in no way modifies, amends, enlarges, or creates any specification or warranty, and ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY EXCLUDED. INEOS Olefins & Polymers USA will not be responsible for any damage or injury resulting from abnormal use, from any failure to follow appropriate practices, or from hazards inherent in the nature of the product and/or material, nor for toxicological effects or Industrial Hygiene associated with particular use of any product described herein. This information relates only to the specific product and/or material designated and may not be valid for such product and/or material used in combination with any other product and/or material or in any process, unless otherwise specified. This information will not be construed as a recommendation for any use that may infringe any patent, trademark, or the like, or as an endorsement of any material, equipment, service, or other item not supplied by INEOS Olefins & Polymers USA.

The name and logo INEOS are trademarks of the INEOS Group and its affiliated companies and businesses.

Contact us:
+1 800 338 0489
rcspolymers@ineos.com
www.ineos-op.com